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TIME TABLE

Spring Semester, 1953

UNIVERSITY OF ILLINOIS
Chicago Undergraduate Division
NAVY PIER

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PRE-REGISTRATION ADVISEMENT SCHEDULE
Spring Semester 1953

Liberal Arts and Sciences

Former Students

A - E	Monday	February 2	1 - 4 p.m.	Frame 14
F - K	Tuesday	February 3	9 -12 noon	Frame 14
L - Q	Tuesday	February 3	1 - 4 p.m.	Frame 14
R - Z	Wednesday	February 4	9 -12 noon	Frame 14

New Students

A - G	Wednesday	February 4	1 - 4 p.m.	Frame 14
H - Q	Thursday	February 5	9 -12 noon	Frame 14
R - Z	Thursday	February 5	1 - 4 p.m.	Frame 14

Commerce and Business Administration

Former Students Only

A - Fuz	Monday	February 2	1 - 4 p.m.	Room 27
Fva - Lep	Tuesday	February 3	9 -12 noon	Room 27
Leq - Sal	Tuesday	February 3	1 - 4 p.m.	Room 27
Sam - Z	Wednesday	February 4	9 -12 noon	Room 27

Engineering and Architecture

No regular pre-advisement period. Pre-advisement was accomplished during the first semester, 1952-53.

Physical Education

No pre-advisement period is scheduled for Physical Education majors.

CALENDAR

Spring Semester, 1953

Mon., Feb. 2 - Wed., Feb. 4	Orientation period
Thurs., Feb. 5 - Sat., Feb. 7	Registration (Students registering for less than 12 hours report at 9:00 a.m., Sat., Feb. 7 for registration.)
Mon., Feb. 9	Instruction begins
Mon., Feb. 16, 12:00 noon	Latest date for changes of study-list without fee
Wed., Feb. 18, 5:00 p.m.	Latest date for rebates in full
Mon., Mar. 2	University Day (University opened, 1868)
Sat., Apr. 4, 12:00 noon	Latest date for rebates of one-half fees
Thurs., Apr. 10, 6:00 p.m.	Easter vacation begins
Thurs., Apr. 17, 8:00 a.m.	Easter vacation ends
Fri., May 8	Honors Day
Fri., May 22	Sophomore Awards Convocation
Sat., May 30	Memorial Day
Mon., June 1 - Tues., June 9	Semester examinations
Wed., June 10, 10:00 a.m.	General Educational Development Test, College Level, Room 300 (For all veterans who entered the Spring Semester, 1953, as beginning freshmen.)

LISTING OF COURSES

The arrangement of courses in this Time Table is alphabetical by names of departments (see Table of Contents on page 2). The courses offered by each department are listed numerically, in groups with headings to indicate the student for whom they are designed. Following the title of each course is a statement of the requirements, if any, for admission to the course.

SPRING SEMESTER REGISTRATION SCHEDULE

Your study-list will be given to you in the Navy Pier Gymnasium according to the schedule below:

FORMER STUDENTS

Former students registering after 12 noon, Saturday, February 7, 1953, will be assessed a late registration fee of $5.00

A - Bus	Friday, February 6	9:00 a.m.
But - Ez	Thursday, February 5	9:00 a.m.
Fa - Han	Thursday, February 5	1:00 p.m.
Hao - Nok	Thursday, February 5	11:00 a.m.
Kol - Mbz	Thursday, February 5	3:00 p.m.
Mca - Rz	Friday, February 6	10:00 a.m.
S - Tao	Thursday, February 5	2:00 p.m.
Tap - Z	Thursday, February 5	10:00 a.m.

NEW STUDENTS

A - Fuz	Friday, February 6	2:00 p.m.
Fva - Lep	Friday, February 6	1:00 p.m.
Leq - Sal	Friday, February 6	3:00 p.m.
Sam - Z	Friday, February 6	11:00 a.m.

Students registering for less than 12 semester hours will register at 9:00 a.m., Saturday, February 7.

LEGEND FOR SECTION LETTERS*

Hour	5, 4, and 3 hour courses MWF	MTT or TTF
8	A	L
9	B	M
10	C	N
11	D	P
12	E	Q
1	F	R
2	G	S
3	H	T
4	J	U
5	K	W

*Note: This does NOT apply to lecture and laboratory sections in Art, Architecture, Engineering Sciences and Military Science and Tactics.

UNIVERSITY OF ILLINOIS
CHICAGO UNDERGRADUATE DIVISION

1953 CALENDAR

Second Semester (Spring, 1953)

Mon., Feb. 2 - Wed., Feb. 4	Orientation period
Thurs., Feb. 5 - Sat., Feb. 7	Registration
Mon., Feb. 9	Instruction begins
Mon., Mar. 2	University Day (University opened, 1868)
Thurs., April 2, 6:00 p.m.	Easter vacation begins
Thurs., April 9, 8:00 a.m.	Easter vacation ends
Fri., May 8	Honors Day
Sat., May 30	Memorial Day (Holiday)
Mon., June 1 - Tues., June 9	Semester examinations

Summer Session - 1953

Fri., June 19 - Sat., June 20	Registration
Mon., June 22	Instruction begins
Sat., July 4	Independence Day (Holiday)
Fri., Aug. 14 - Sat., Aug. 15	Summer Session examinations

First Semester (Fall, 1953)

Wed., Sept. 9 - Wed., Sept. 16	Orientation period
Thurs., Sept. 17 - Sat., Sept. 19	Registration
Mon., Sept. 21	Instruction begins
Wed., Nov. 25, 6:00 p.m.	Thanksgiving vacation begins
Mon., Nov. 30, 8:00 a.m.	Thanksgiving vacation ends
Thurs., Dec. 3	Illinois Day (State admitted to the Union, 1818)
Tues., Dec. 22, 6:00 p.m.	Christmas vacation begins
Mon., Jan. 4, 8:00 a.m.	Christmas vacation ends
Fri., Jan. 15 - Sat., Jan. 23	Semester examinations

UNIVERSITY OF ILLINOIS
URBANA, ILLINOIS

1953 CALENDAR

Second Semester (Spring, 1953)

Mon., Feb. 9 - Wed., Feb. 11	Registration
Thurs., Feb. 12	Instruction begins
Mon., Mar. 2	University Day (University opened 1868)
Wed., April 1, 1:00 p.m.	Easter vacation begins
Tues., April 7, 1:00 p.m.	Easter vacation ends
Fri., May 1	Honors Day (classes dismissed at noon)
Sat., May 30	Memorial Day (Holiday)
Thurs., June 4 - Fri., June 12	Semester examinations
Sun., June 21	Commencement exercises

Summer Session - 1953

Fri., June 19 - Sat., June 20	Registration
Mon., June 22	Instruction begins
Sat., July 4	Independence Day (Holiday)
Fri., Aug. 14 - Sat., Aug. 15	Summer Session examinations

First Semester (Fall, 1953)

Tues., Sept. 8 - Fri., Sept. 11	Entrance examinations
Mon., Sept. 14 - Sat., Sept. 19	Freshman week and registration
Mon., Sept. 21	Instruction begins
Wed., Nov. 25, 1:00 p.m.	Thanksgiving vacation begins
Mon., Nov. 30, 1:00 p.m.	Thanksgiving vacation ends
Thurs., Dec. 3	Illinois Day (State admitted to the Union, 1818)
Sat., Dec. 19, 12 m.	Christmas vacation begins
Mon., Jan. 4, 1:00 p.m.	Christmas vacation ends
Fri., Jan. 22 - Sat., Jan. 30	Semester examinations
Sun., Feb. 14	Commencement exercises

ACCOUNTANCY

Accy. 101. PRINCIPLES OF ACCOUNTING:- Beginners' course. Students who present one unit of bookkeeping for entrance should register in Accy. 102. They will not be allowed full credit in Accy. 101 unless high school bookkeeping credit can be dropped. Students who have failed Accy. 101 may register in Accy. 102 and will receive credit as in Accy. 101 if their final grade is "C" or above.

Credit	Section	Hours	Days	Room	Instructor
3 hours[1]	B1	9	MWF	16	Ross
	C1	10	MWF	16	Ross
[1]Students with 95 or more credit hours receive only 2 hours credit.	D1	11	MWF	22	Eggebrecht
	F1	1	MWF	19	Eggebrecht
	G1	2	MWF	25	
	H1	3	MWF	25	
	M1	9	MTT	22	Margraff
	P1	11	MTT	21	Kabbes
	R1	1	MTT	20	Margraff

Accy. 102. PRINCIPLES OF ACCOUNTING:- Similar to Accy. 101. Students who have one unit entrance credit in bookkeeping should take this course rather than Accy. 101. Students who have failed Accy. 101 may register in Accy. 102 and will receive credit as in Accy. 101 if their final grade is "C" or above.

2 hours[1]	S1	2	TT	21	Eggebrecht

[1]Students with 95 or more credit hours will receive only 1 hour credit.

Accy. 105. ACCOUNTING PROCEDURE:- Continuation of Accy. 101 or 102. Prerequisite: Accy. 101 or 102.

3 hours[1]	B1	9	MWF	25	
	C1	10	MWF	25	
[1]Students with 95 or more credit hours receive only 2 hours credit.	D1	11	MWF	23	Yankow
	E1	12	MWF	19	Schneider
	F1	1	MWF	17	Ross
	G1	2	MWF	21	Yankow
	H1	3	MWF	20	Ross
	J1	4	MWF	25	Yankow
	N1	10	MTT	21	Kabbes
	S1	2	MTT	22	Kabbes
	T1	3	MTT	21	Eggebrecht

Accy. 106. ELEMENTARY COST ACCOUNTING:- Prerequisite: One year of Accountancy; sophomore standing, credit or registration in Econ. 102 or Econ. 108.

3 hours	C1	10	MWF	24	Fox
	E1	12	MWF	25	Fox
	F1	1	MWF	21	Yankow

Accy. 108. INTERMEDIATE ACCOUNTING:- Prerequisite: Credit or registration in Accy. 106.

Credit	Section	Hours	Days	Room	Instructor
3 hours	B1	9	MWF	21	Schneider
	D1	11	MWF	19	Schneider

ARCHITECTURE

Arch. 101. INTRODUCTION TO ARCHITECTURE:- Introduction to the building industry and the profession of architecture; exercises illustrating basic architectural forms and their organization.

3 hours	Lec.	2	W	251	White
	Lab. A	2-5	MF	241	White
	Lab. B	2-5	TT	241	White
	Lab. D	8-11	TT	241	Arkin
	Lab. C	9-12	MF	241	White

Arch. 113. HISTORY OF ANCIENT ARCHITECTURE:- A description and analysis of the development of the architecture of the ancient East, Greece, and Rome, related to the environmental and cultural setting. Prerequisite: Arch. 131, or sophomore standing.

2 hours	R1	1	TT	251	DeFilipps

Arch. 131. ARCHITECTURAL DESIGN:- Beginning study of architectural planning and designing. Fundamentals of sketching and presentation. Prerequisite: Arch. 101 and registration in G.E.D. 108.

3 hours	Lec.	4	W	251	Staff
	Lab. A	2-5	TT	242	Norman
		2-4	W	242	Norman
	Lab. B	8-11	TT	242	Norman
		8-10	W	242	Norman

Arch. 132. ARCHITECTURAL DESIGN:- Continuation of the fundamentals of architectural design. Prerequisite: Arch. 131 or consent of instructor.

3 hours	Lec.	1	W	251	Staff
	Lab. A	2-5	TT	242	DeFilipps
		2-4	W	242	DeFilipps
	Lab. B	9-12	MF	242	DeFilipps
		10-12	W	242	DeFilipps

Arch. 133. ARCHITECTURAL DESIGN:- Continued study of architectural planning and designing; principles of plan, elevation, and section in small buildings. Prerequisite: Arch. 132.

3 hours	Lab. A	8-11	MWF	242	Huebner

Arch. 141. MATERIALS AND METHODS OF CONSTRUCTION I:- Study of materials and assemblies of materials employed in the construction of buildings classified by building codes as Type IV, including single family residences and simple business structures with basements, crawl spaces, or basementless foundations. Prerequisite: Credit or registration in Arch. 131.

Credit	Section	Hours	Days	Room	Instructor
2 hours	G1	2	MF	251	Mikolajczyk

Arch. 142. MATERIALS AND METHODS OF CONSTRUCTION II:- Non-fire resistance construction; manufacture and performance characteristics of materials; support systems; typical details; finishing materials. Prerequisite: Arch. 141.

2 hours	P1	11	TT	251	Mikolajczyk

ART

Art 112. INTRODUCTION TO RENAISSANCE AND MODERN ART:- Cultural analysis of the interrelated fields of architecture, sculpture, and painting. and other humanistic studies beginning with the Italian Renaissance and continuing through the modern period.

3 hours	D1	11	MWF	251	Radice

Art 115. ART APPRECIATION:- Primarily for non-art students.

3 hours	B1	9	MWF	251	Radice
	H1	3	MWF	251	Radice

Art 181. FREEHAND DRAWING:- Primarily for students in architecture and landscape architecture.

2 hours	A	8-11	TT	83	Burr
	B	2-5	TT	83	Burr
	C	9-12	MF	83	Burr

Art 182. FREEHAND DRAWING:- Primarily for students in architecture and landscape architecture. Prerequisite: Art 181.

2 hours	A	8-11	TT	84	Shopen
	B	3-6	MF	84	McNee
	C	2-5	TT	84	McNee
	D	8-11	MF	84	J. Richardson

Art 183. FREEHAND DRAWING:- Primarily for students in architecture and landscape architecture. Prerequisite: Art 182.

2 hours	A	3-6	MF	91	J. Richardson
	B	2-5	TT	91	McNee

Art 184. FREEHAND DRAWING:- Primarily for students in architecture and landscape architecture. Prerequisite: Art 183.

Credit	Section	Hours	Days	Room	Instructor
2 hours	A	2-5	MF	83	Shopen
	B	8-11	TT	91	J. Richardson

BIOLOGICAL SCIENCES

Biology 101. FUNDAMENTALS OF BIOLOGY:- This course is designed to give a fundamental understanding of plant and animal life and their reproduction. Lectures, laboratory, and quiz. Seminar is optional.

4 hours[1]	Lec. R1	1	TT	210	Pickett
	Lec. R2	1	TT	218	Hopkins
[1]Students with 95 or more credit hours receive only 3 hours credit.	Lec. F1	1	WF	218	Presley
	Seminar	1	M	210	Staff
	Lab. 1	8-10	WF	46	Presley
	Quiz 1	8	M	46	Presley
	Lab. 2	8-10	TT	46	Graham
	Quiz 2	9	M	46	Graham
	Lab. 3	10-12	TT	46	Shank, Sangster
	Quiz 3	10	M	46	Shank, Sangster
	Lab. 4	10-12	WF	46	McMillan
	Quiz 4	11	M	46	McMillan
	Lab. 5	2-4	TT	46	Spirakis
	Quiz 5	2	M	46	Spirakis
	Lab. 6	2-4	WF	46	Little
	Quiz 6	3	M	46	Little
	Lab. 7	4-6	TT	46	Little
	Quiz 7	4	M	46	Little
	Lab. 8	4-6	WF	46	Little
	Quiz 8	12	M	46	Little
	Lab. 9	2-4	WF	43	Faughnan
	Quiz 9	3	M	43	Faughnan
	Lab. 10	4-6	WF	48	Presley
	Quiz 10	5	M	48	Presley
	Lab. 11	2-4	WF	48	Presley
	Quiz 11	3	M	48	Presley
	Lab. 12	4-6	TT	48	Spirakis
	Quiz 12	4	M	48	Spirakis
	Lab. 13	4-6	WF	43	Spirakis
	Quiz 13	5	M	43	Spirakis
	Lab. 14	8-10	TT	45	McMillan
	Quiz 14	10	M	45	McMillan
	Lab. 15	10-12	TT	45	Faughnan
	Quiz 15	11	M	45	Faughnan

Biology 111. GENERAL BOTANY:- A survey of the plant kingdom. The morphology and physiology of representative plants from Thallophytes through Angiosperms are considered in building up a system of natural classification based upon phylogenetic relationships. The importance of plants in the system of nature and human economics is emphasized. Lectures, laboratory, and quiz. Prerequisite: Biology 101.

Biology 111. GENERAL BOTANY:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
4 hours[1]	Lec. R1	1	TT	65	Rouffa
	Lab. 1	10-12	TT	48	Rouffa
[1]Students with 95 or	Quiz 1	11	M	48	Rouffa
more credit hours	Lab. 2	12-2	WF	48	Faughnan
receive only 3 hours	Quiz 2	1	M	48	Faughnan
credit.	Lab. 3	2-4	TT	48	Faughnan
	Quiz 3	2	M	48	Faughnan

Biology 115. INTRODUCTORY SYSTEMATIC BOTANY (PLANT TAXONOMY):- Classification and identification of flowering plants, with special reference to the local flora, and the needs of high school teachers. Occasional field trips required. Lectures, laboratory, and quiz. Prerequisite: Biology 101 and 111.

4 hours[1]	Lec. G1	2	MF	218	Rouffa
	Lab. 1	10-12	WF	48	Rouffa
[1]Students with 95 or	Quiz 1	10	M	48	Rouffa
more credit hours					
receive only 3 hours credit.					

Biology 121. MICROBIOLOGY:- A study of microorganisms and their role in the system of nature. Among the microorganisms are included the viruses, the microscopic multicellular plants and animals as well as the protozoa and bacteria. Primary emphasis will be placed upon the bacteria. The systematic evolutionary, physiological, and ecological relationships of these organisms with both plant and animal worlds will be considered. Lectures, laboratory, and quiz. Prerequisite: Biology 101.

4 hours[1]	Lec. R1	1	TT	204	Madison
	Lab. 1	8-10	WF	43	McMillan
[1]Students with 95 or	Quiz 1	9	M	43	McMillan
more credit hours	Lab. 2	10-12	TT	43	Madison
receive only 3 hours	Quiz 2	10	M	43	Madison
credit.	Lab. 3	2-4	TT	43	McMillan
	Quiz 3	12	M	43	McMillan

Biology 126. ADVANCED GENERAL BACTERIOLOGY:- General technic, special apparatus, and methods. Lectures, laboratory, and quiz. Prerequisite: Biology 101 and 121; credit or registration in Chem. 105.

4 hours[1]	Lec. G1	2	MF	65	Madison
	Lab. 1	12-2	WF	43	Madison
[1]Students with 95 or	Quiz 1	1	M	43	Madison
more credit hours					
receive only 3 hours					
credit.					

Biology 131. GENERAL ZOOLOGY:- A survey of the animal kingdom, the phylogenetic relationships of animals, and classifications. Emphasis is placed upon economically important and parasitic forms. Lectures, laboratory, and quiz. Prerequisite: Biology 101.

Credit	Section	Hours	Days	Room	Instructor
4 hours[1]	Lec. F1	1	WF	210	Hopkins
	Lab. 1	8-10	WF	44	Fowler
[1]Students with 95 or	Quiz 1	9	M	44	Fowler
more credit hours	Lab. 2	10-12	TT	44	Graham
receive only 3 hours	Quiz 2	10	M	44	Graham
credit.	Lab. 3	10-12	WF	44	Fowler
	Quiz 3	11	M	44	Fowler
	Lab. 4	4-6	WF	44	Fowler
	Quiz 4	12	M	44	Fowler
	Lab. 5	2-4	TT	44	Graham
	Quiz 5	2	M	44	Graham
	Lab. 6	2-4	WF	44	Fowler
	Quiz 6	3	M	44	Fowler
	Lab. 7	4-6	TT	44	Graham
	Quiz 7	4	M	44	Graham

Biology 132. COMPARATIVE VERTEBRATE ANATOMY:- Classification and distribution of the vertebrate animals. Comparative anatomy of organs and organ systems, their functions and evolution. Lectures, laboratory, and quiz. Prerequisite: Biology 101 and 131, or Biology 101 with a grade of "B".

5 hours	Lec. F1	1	MWF	204	Shank
	Lab. 1	2-4	MWF	45	Grubgeld
	Lab. 2	4-6	MWF	45	Grubgeld
	Lab. 3	2-5	TT	45	Grubgeld

Biology 141. VERTEBRATE PHYSIOLOGY:- This course is designed to furnish an understanding of the basic physiological activities of the vertebrate organisms. Lectures, laboratory, and quiz. Prerequisite: Biology 101.

4 hours[1]	Lec. E1	12	WF	218	Hipkins
	Lab. 1	8-10	TT	43	Shank
[1]Students with 95 or	Quiz 1	8	M	43	Shank
more credit hours	Lab. 2	10-12	WF	43	Sangster
receive only 3 hours	Quiz 2	11	M	43	Sangster
credit.					

Biology 333. VERTEBRATE EMBRYOLOGY:- The development of the vertebrate body and its organs. Lectures, laboratory, and quiz. Prerequisite: Biology 101 and 132; junior standing.

5 hours	Lec. F1	1	MWF	65	Sangster
	Lab. 1	8-10	MWF	45	Sangster
	Lab. 2	10-1	WF	45	Shank

BUSINESS LAW

Business Law 100. BASIC PRINCIPLES OF BUSINESS LAW:- Credit toward graduation will not be given for Bus. Law 201 or 261 in addition to Bus. Law 100. See Bus. Law 202 for provisional reduced credit. Prerequisite: Accy. 105; Econ. 102; forty-five credit hours.

Credit	Section	Hours	Days	Room	Instructor
3 hours	F1	1	MWF	25	Fox

CHEMISTRY

Chem. 101. GENERAL CHEMISTRY:- Prerequisite: One unit of entrance credit in physics, or 2½ units of entrance credit in mathematics, or credit in Math. 111 or 112. Students may register in any lecture section but are required to take the quiz and laboratory in some one section.

5 hours[1]	Lec. B	9	WF	210	Hunt
	Lec. S	2	TT	204	Hunt
[1]Students who have	Lab. 1	10-12	MWF	50	
received entrance	Quiz 1	10	TT	76	
credit for high	Lab. 2	12-2	MWF	50	King
school chemistry are	Quiz 2	1	TT	74	King
given only 3 hours	Lab. 3	2-4	MWF	50	
credit for Chem. 101.	Quiz 3	3	TT	80	
Students with 95 or	Lab. 4	8-11	TT	50	Lipsky
more credit hours	Quiz 4	8	WF	75	Lipsky
receive only 3 hours	Lab. 5	8-10	MTT	50	
credit.	Quiz 5	8	WF	76	

Chem. 102. GENERAL CHEMISTRY:- For all students who have had one year of high school chemistry. Prerequisite: One unit of high school chemistry or equivalent training. Students may register for any lecture section, but are required to take the quiz and laboratory in some one section. Note: Students whose preparation in chemistry is inadequate are advised to register for Chem. 101 or 103 rather than Chem. 102.

3 hours[1]	Lec. D	11	MW	210	Schrage
	Lec. M	9	TT	210	Schrage
[1]Students below the	Lab. 11	8-10	M	50	Lipsky
rank of senior re-	Quiz 11	9	WF	76	Lipsky
ceive 5 hours credit	Lab. 12	10-12	Th	50	Harris
provided their high	Quiz 12	11	TuF	75	Harris
school chemistry has	Lab. 13	11-1	F	50	Questiaux
not been used for en-	Quiz 13	2	TT	80	Questiaux
trance and their	Lab. 14	2-4	M	50	King
final grade in Chem.	Quiz 14	3	TT	76	King
102 is "C" or above.	Lab. 15	1-3	F	50	R. Miller

Students with 95 or more credit hours receive only 2 hours credit.

Chem. 102. GENERAL CHEMISTRY:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
	Quiz 15	1	MW	74	R. Miller
	Lab. 16	3-5	M	50	Schrage
	Quiz 16	4	TT	80	Schrage
	Lab. 17	2-4	Tu	50	Schrage
	Quiz 17	3	WF	80	Schrage

Chem. 103. GENERAL CHEMISTRY:- For engineering students who have had no chemistry. Prerequisite: One unit of high school physics or 2½ units of high school mathematics or credit in Math. 111 or 112. Students may register for any lecture section, but are required to take the quiz and laboratory in some one section. Note: Students who have credit for high school chemistry should register for Chem. 102 rather than Chem. 103.

Credit	Section	Hours	Days	Room	Instructor
4 hours[1]	Lec. B	9	WF	210	Hunt
	Lec. S	2	TT	204	Hunt
	Lab. 31	9-11	TT	50	Hart
	Quiz 31	11	TT	74	Hart
	Lab. 32	3-5	TT	50	Hart
	Quiz 32	1	TT	80	Hart
	Lab. 33	10-12	MW	50	Koucky
	Quiz 33	8	TT	76	Koucky
	Lab. 34	1-3	MW	50	Hunt
	Quiz 34	12	MF	76	Hunt
	Lab. 35	3-5	MW	50	Hunt
	Quiz 35	3	TuF	74	Hunt

[1]Students who have used their high school chemistry for entrance credit are given only 3 hours credit for Chem. 103. Students with 95 or more credit hours receive only 3 hours credit.

Chem. 104. CHEMISTRY OF THE METALLIC ELEMENTS:- Limited to students in the engineering curricula. Prerequisite: Chem. 101, 102, or 103.

Credit	Section	Hours	Days	Room	Instructor
4 hours[1]	Lec. D	11	MW	204	Huitema
	Lec. P	11	TT	204	Huitema
	Lab. 39	8-10	MW	53	Patlak
	Quiz 39	8	TT	75	Patlak
	Lab. 40	9-11	TT	53	Patlak
	Quiz 40	11	MW	74	Patlak
	Lab. 41	12-2	MW	53	Huitema, Z. Karpinski
	Quiz 41	1	TT	76	Huitema, Z. Karpinski
	Lab. 42	9-11	TT	53	Patlogan
	Quiz 42	12	WF	80	Patlogan
	Lab. 43	2-4	TT	53	R. Miller
	Quiz 43	3	WF	76	R. Miller
	Lab. 44	3-5	MW	53	Harris
	Quiz 44	4	TT	75	Harris

[1]Credit in Chem. 104 will not be granted to students who have received credit in Chem. 105 or 106. Students with 95 or more credit hours receive only 3 hours credit.

Chem. 104. CHEMISTRY OF THE METALLIC ELEMENTS:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
	Lab. 45	1-3	TT	53	Enright
	Quiz 45	12	WF	75	Enright
	Lab. 46	10-12	TT	53	King
	Quiz 46	10	WF	74	King
	Lab. 47	9-11	MW	53	Patlogan
	Quiz 47	8	MW	74	Patlogan
	Lab. 48	8-10	TT	53	Potempa
	Quiz 48	10	TT	75	Potempa
	Lab. 49	3-5	TT	53	Huitema
	Quiz 49	4	MW	75	Huitema
	Lab. 50	1-3	MW	53	Sackheim
	Quiz 50	8	TT	80	Sackheim

Chem. 105. INORGANIC CHEMISTRY AND QUALITATIVE ANALYSIS:- For all students who are not eligible for Chem. 104 or 106. Prerequisite: Chem. 101, 102, or 103.

Credit	Section	Hours	Days	Room	Instructor
5 hours[1]	Lec. E	12	WF	204	Crum
	Lec. M	9	TT	204	Crum
	Lab. 51	8-10	MWF	53	Cohen
	Quiz 51	8	TT	74	Cohen
	Lab. 52	10-12	MWF	53	R. Miller
	Quiz 52	10	TT	74	R. Miller
	Lab. 53	1-3	MWF	53	Enright
	Quiz 53	2	TT	74	Enright
	Lab. 54	2-4	MWF	53	Crum
	Quiz 54	2	TT	75	Crum
	Lab. 55	3-5	MWF	53	Potempa
	Quiz 55	4	TT	76	Potempa
	Lab. 56	8-11	TT	53	Enright
	Quiz 56	8	WF	80	Enright
	Lab. 57	10-12	MTT	53	Mansfield-Crum
	Quiz 57	9	WF	75	Mansfield-Crum
	Lab. 58	2-5	TT	53	
	Quiz 58	4	WF	74	

[1]Credit in Chem. 105 will not be granted to students who have received credit in Chem. 104 or 106. Students with 95 or more credit hours receive only 3 hours credit.

Chem. 106. INORGANIC CHEMISTRY:- Descriptive chemistry of the metals and metalloids with application of principles. For students in curricula of chemistry, chemical engineering, ceramic engineering, engineering physics, and chemistry majors who are not premedics. Prerequisite: Chem. 101, 102, or 103.

Credit	Section	Hours	Days	Room	Instructor
5 hours[1]	Lec. G	2	WF	204	Elbinger
	Lab. 61	9-11	MWF	53	Elbinger-Hart
	Quiz 61	9	TT	75	Elbinger-Hart
	Lab. 62	12-2	MWF	53	Harris
	Quiz 62	1	TT	75	Harris
	Lab. 63	1-4	TT	53	Elbinger
	Quiz 63	3	MW	75	Elbinger

[1]Credit in Chem. 106 will not be granted to students who have received credit in Chem. 104 or 105. Students with 95 or more credit hours receive only 3 hours credit.

Chem. 108. GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS:- For students in the curriculum of chemistry or chemical engineering. Lectures, laboratory, and recitations. Prerequisite: Chem. 107.

Credit	Section	Hours	Days	Room	Instructor
5 hours[1]	Lec. S	2	TT	65	Meloy
	Lab. 71	10-12	TT	53	Questiaux
	Quiz 71	2	MWF	75	Questiaux

[1]Students with 95 or more credit hours receive only 3 hours credit.

Chem. 110. QUALITATIVE ANALYSIS:- Open to all students; required of those whose major is chemistry or chemical engineering and those registered in the curriculum of chemistry, except students who qualify for Chem. 107 and 108. Prerequisite: Chem. 106.

5 hours	Lec. E	12	M	204	Mansfield
	Lab. 76	2-5	MWF	53	Mansfield
	Quiz 76	12	WF	74	Mansfield

Chem. 122. ELEMENTARY QUANTITATIVE ANALYSIS:- For all pre-medical, pre-dental, and engineering students. Prerequisite: Chem. 104, 105, or 106.

5 hours	Lec. G	2	MW	210	Babler
	Lab. 81	9-12	MWF	54	Sackheim
	Quiz 81	9	Tu	74	Sackheim
	Lab. 82	3-6	MWF	54	Z. Karpinski
	Quiz 82	2	F	74	Z. Karpinski
	Lab. 83	1-4	TTF	54	Cohen
	Quiz 83	10	F	75	Cohen

Chem. 124. QUANTITATIVE ANALYSIS:- For all students in chemical engineering and chemistry curriculum. Prerequisite: Chem. 110 or satisfactory record in Chem. 107 and 108.

5 hours	Lec. T	3	TT	65	Babler
	Lab. 86	8-11	MWF	54	Babler
	Quiz 86	11	Tu	76	Babler

Chem. 133. ELEMENTARY ORGANIC CHEMISTRY:- For students in home economics and pre-medical courses. Prerequisite: Chem. 105 or 110.

5 hours	Lec. E	12	WF	210	Meloy
	Exam Hour	12	M	210	Meloy
	Lab. 91	9-12	MW	52	Questiaux
	Quiz 91	9	F	74	Questiaux
	Lab. 92	2-5	MW	52	Koranda
	Quiz 92	3	F	75	Koranda
	Lab. 93	8-11	TT	52	Koranda
	Quiz 93	10	M	74	Koranda

Chem. 197. GENERAL CHEMISTRY:- Continuation of Chem. 196. A student with a grade of "C" or better in Chem. 197 may be admitted to Chem. 104, 105, or 106. Credit for Chem. 196, 197, and 104, 105, or 106 shall not exceed ten hours. Prerequisite: Chem. 196.

Credit	Section	Hours	Days	Room	Instructor
4 hours	Lec. N	10	TT	204	Meloy
	Lab. 66	1-4	Th	50	Potempa
	Quiz 66	2	Tu	76	Potempa

Chem. 247. ELEMENTARY PHYSICAL CHEMISTRY:- For pre-medical students only. Prerequisite: Chem. 122 and 133; physics 102 or 104, or equivalent; junior standing.

4 hours	Lec. B	9	MWF	204	Dunicz
	Lab. 96	9-12	Tu	50A	Dunicz
	Lab. 97	1-4	Tu	50A	Dunicz
	Lab. 98	8-11	Th	50A	Dunicz
	Lab. 99	2-5	Th	50A	Dunicz

CIVIL ENGINEERING

C.E. 115. GENERAL SURVEYING:- Use and care of surveying instruments; methods of making engineering surveys; computations of areas and volumes; contour problems; transit stadia mapping methods. Prerequisite: G.E.D. 101 or 104; Math. 114.

3 hours	A	8-11	TT	63	Chaderton

C.E. 160. BUILDING CONSTRUCTION:- Prerequisite: Sophomore standing.

3 hours	B1	9	MWF	63	Chaderton
	C1	10	MWF	63	Chaderton

C.E. 235. PLAIN CONCRETE:- Prerequisite: Sophomore standing in engineering, architecture, or landscape architecture.

2 hours	A	2-4	TT	63	Chaderton

ECONOMICS

Econ. 100. INTRODUCTION TO BUSINESS:- Open only to freshmen.

3 hours	C1	10	MWF	17	Knudson
	D1	11	MWF	20	Jung
	E1	12	MWF	20	Jung
	F1	1	MWF	23	Gillett
	G1	2	MWF	23	Gillett
	H1	3	MWF	18	Eastwood
	J1	4	MWF	24	Geldard
	M1	9	MTT	18	Geldard
	R1	1	MTT	18	Knudson
	T1	3	MTT	22	Knudson

Econ. 102. PRINCIPLES OF ECONOMICS:- Prerequisite: One year of University work.

Credit	Section	Hours	Days	Room	Instructor
3 hours	B1	9	MWF	20	J. Morris
	C1	10	MWF	20	J. Morris
	D1	11	MWF	17	Eastwood
	F1	1	MWF	22	J. Morris
	G1	2	MWF	20	Jung
	H1	3	MWF	24	Grampp

Econ. 103. PRINCIPLES OF ECONOMICS:- Prerequisite: Econ. 102.

3 hours	B1	9	MWF	23	Grampp
	C1	10	MWF	23	Grampp
	E1	12	MWF	18	Knudson
	F1	1	MWF	24	Grampp
	G1	2	MWF	24	Berg
	J1	4	MWF	19	H. Williams

Econ. 108. ELEMENTS OF ECONOMICS:- Exclusively for non-commerce students. Not open to those who have had Econ. 102 or 103. Prerequisite: One year of University work.

3 hours	B1	9	MWF	17	Eastwood
	D1	11	MWF	24	Larson
	E1	12	MWF	24	Larson
	G1	2	MWF	19	Eastwood
	H1	3	MWF	23	O. Miller

Econ. 136. ECONOMIC HISTORY OF THE UNITED STATES:- Main events and leading personalities in the economic development of the United States as seen in the westward movement, the growth of industry, agriculture, commerce, finance, transportation, the trust movement, and labor, 1790-present. For freshmen only.

3 hours	B1	9	MWF	19	Dunne
	C1	10	MWF	19	Dunne
	E1	12	MWF	23	H. Williams
	H1	3	MWF	19	H. Williams
	J1	4	MWF	23	O. Miller
	N1	10	MTT	18	O. Miller
	P1	11	MTT	18	O. Miller

Econ. 138. INTRODUCTION TO THE ECONOMIC HISTORY OF MODERN EUROPE:- The evolution of the economic institutions of modern Europe in relation to the development of industry, commerce, transportation, and finance in the principal European nations. For freshmen only.

3 hours	F1	1	MWF	16	Geldard

Econ. 170. ELEMENTS OF STATISTICS:- Prerequisite: Econ. 102 or 108; sophomore standing.

Econ. 170. ELEMENTS OF STATISTICS:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
3 hours	B1	9	MW	33	Derrick
	Prac. I	9-11	F	33	Derrick
	D1	11	MW	33	Derrick
	Prac. II	11-1	F	33	Derrick
	F1	1	MW	33	Dunne
	Prac. III	1-3	F	33	Dunne
	H1	3	MW	33	Derrick
	Prac. IV	3-5	F	33	Derrick

EDUCATION

Ed. 100. THE AMERICAN PUBLIC SCHOOL:- An introduction to the study of education. Prerequisite: Sophomore standing.

2 hours	B1	9	MW	1111-CMC*	Ricks

Ed. 101. NATURE OF THE TEACHING PROFESSION: AN ORIENTATION COURSE:- This course is designed to help the student get answers to the questions: "What does education in its various branches have to offer?" and "What preparation in general education, subject matter fields, and professional education is required or desirable?" Through an extensive testing and counseling program this course is designed to help the student evaluate his potentialities and problems with reference to becoming a teacher.

2 hours	N1	10	TT	28	Ricks
	P1	11	TT	28	Ricks
	S1	2	TT	28	Little

Ed. 109. EDUCATIONAL PSYCHOLOGY:- The basic undergraduate course in psychology of education for prospective teachers. Materials and principles from the various areas of psychology (mental hygiene, learning, etc.) are applied to the practical problems of teaching. Prerequisite: Psych. 100.

3 hours	C1	10	MWF	1111-CMC*	Ricks

*Offered at the Chicago Musical College.

ELECTRICAL ENGINEERING

E.E. 114. WIRING AND ILLUMINATION:- Prerequisite: Sophomore standing or consent of instructor. Open to architecture and architectural engineering students only.

3 hours	D1	11	MWF	120	LeBold

E.E. 120. ILLUMINATION ENGINEERING AND SECONDARY POWER DISTRIBUTION:- Prerequisite: Sophomore standing or consent of instructor. Open to non-engineering students.

Credit	Section	Hours	Days	Room	Instructor
3 hours	C1	10	MWF	120	LeBold

E.E. 126. ELECTRIC CIRCUITS AND FIELDS:- Prerequisite: Physics 103; math 132; credit or registration in physics 104 and Math 142.

4 hours	B1	9	MWF	123	Hershey
		8-11	Th	121	Hershey
	G1	2	MWF	123	Hershey
		2-5	Tu	121	Hershey

ENGLISH

Engl. 101. INTRODUCTION TO POETRY:- Understanding of poetry through the reading and discussion of representative poems. Note: Credit is not given for English 101, 102, and 103 in addition to English 121 and 122. This course, plus English 102 and 103, satisfies the humanities requirement in general education.

3 hours[1]	C1	10	MWF	209	F. Johnson
	G1	2	MWF	226	Brown
[1]Students with 95 or more credit hours receive only 2 hours credit.	H1	3	MWF	225	Jackman
	M1	9	MTT	216	Merten

Engl. 102. INTRODUCTION TO DRAMA:- Understanding of drama through the reading and discussion of representative plays. The reading list will include selections from Greek, Elizabethan, and modern English, continental, and American drama. See note under Engl. 101.

3 hours[1]	B1	9	MWF	211	Love
	C1	10	MTF	206	Merten
[1]Students with 95 or more credit hours receive only 2 hours credit.	R1	1	M	223	Niederman
			TT	224	
	S1	2	M	224	Niederman
			TT	227	

Engl. 103. INTRODUCTION TO FICTION:- Understanding of fiction through the reading and discussion of representative short stories and novels. The reading list will include Jane Austen's PRIDE AND PREJUDICE, Balzac's PERE GORIOT, Dostoyevsky's CRIME AND PUNISHMENT, E. M. Forster's A PASSAGE TO INDIA, and Hemingway's A FAREWELL TO ARMS. See note under Engl. 101.

3 hours[1]	E1	12	MWF	228	Kerwick
	E2	12	MWF	224	Hipple
	F1	1	MWF	228	Wright

Engl. 103. INTRODUCTION TO FICTION:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
[1]Students with 95 or more credit hours receive only 2 hours credit.	G1	2	MWF	227	Van Keuren
	M1	9	M	223	Greenwald
			TT	203	
	P1	11	MTT	214	Willett

Engl. 113. AMERICAN LITERATURE:- A survey of American literature with lectures on the historical and cultural background from 1620 to the Civil War. Prerequisite: Sophomore standing, or exemption from Rhet. 102.

3 hours	D1	11	MWF	212	Lease
	F1	1	MWF	214	Lease
	M1	9	MTT	215	Willett

Engl. 114. AMERICAN LITERATURE:- A survey of American literature with lectures on the historical and cultural background from the Civil War to the 20th Century. Prerequisite: Sophomore standing, or exemption from Rhet. 102.

3 hours	F1	1	MWF	212	Kenny
	N1	10	MTT	211	Donohue
	S1	2	MTT	220	Donohue

Engl. 121. CHIEF ENGLISH WRITERS BEFORE 1800:- CANTERBURY TALES, UTOPIA, three plays of Shakespeare, PARADISE LOST, GULLIVER'S TRAVELS, TOM JONES, LIFE OF JOHNSON, RASSELAS. Particularly recommended for students in professional and technical courses such as law, medicine, commerce, engineering, etc. Credit is not given for Engl. 121 in addition to English 101, 102, and 103. This course, plus English 122, satisfies the humanities requirement in general education. Prerequisite: Sophomore standing, or exemption from Rhet. 102.

4 hours	B1	9	TWTF	214	Lease

Engl. 122. CHIEF ENGLISH WRITERS OF THE NINETEENTH CENTURY:- Wordsworth, Byron, Carlyle's PAST AND PRESENT, Arnold's PROSE AND POETRY, FitzGerald's THE RUBAIYAT OF OMAR KHAYYAM, readings from T. H. Huxley, Browning's poems, two novels. Particularly recommended for students in professional and technical courses, such as law, medicine, commerce, engineering, etc. Credit is not given for English 122 in addition to English 101, 102, and 103. This course, plus English 121, satisfies the humanities requirement in general education. Prerequisite: Sophomore standing, or exemption from Rhet. 102.

4 hours	D1	11	TWTF	215	Van Keuren
	H1	3	TWTF	228	Richey

Engl. 131. INTRODUCTION TO SHAKESPEARE:- Prerequisite: Sophomore standing, or exemption from Rhet. 102.

Credit	Section	Hours	Days	Room	Instructor
3 hours	F1	1	MWF	215	Van Keuren
	N1	10	M	225	Vest
			TT	202	

Engl. 144. CONTEMPORARY POETRY:- American poetry from Whitman to Sandburg; and English poetry from the Pre-Raphaelites to Masefield. Prerequisite: Six hours of literature, or junior standing.

3 hours	E1	12	MWF	227	Cassell

FRENCH

French 101. ELEMENTARY COURSE:- For students who have no credit in French. No credit toward graduation is given for French 101 without French 102.

4 hours[1]	A1	8	TWTF	226	Cowles
	B1	9	TWTF	226	Cowles
[1]Students with 95 or more credit hours receive only 3 hours credit.	D1	11	TWTF	226	Skogen
	F1	1	TWTF	226	Skogen
	J1	4	TWTF	228	Lein

French 102. ELEMENTARY COURSE:- Continuation of French 101. Prerequisite: French 101, or one year of high school French.

4 hours[1]	B1	9	TWTF	224	Lenihan
	C1	10	TWTF	224	Lenihan
[1]Students with 95 or more credit hours receive only 3 hours credit.	D1	11	TWTF	224	Lein
	G1	2	TWTF	224	Skogen
	H1	3	TWTF	224	Lein

French 103. MODERN FRENCH:- Prerequisite: French 102, or two years of high school French.

4 hours	C1	10	TWTF	226	Cowles
	H1	3	TWTF	226	Skogen

French 104. MODERN FRENCH:- Continuation of French 103. Prerequisite. French 103, or three years of high school French.

4 hours	B1	9	TWTF	228	Schuyler
	C1	10	TWTF	228	Schuyler
	G1	2	TWTF	228	Lein

French 202. INTRODUCTION TO FRENCH LITERATURE:- Prerequisite: French 104, or four years of high school French.

French 202. INTRODUCTION TO FRENCH LITERATURE:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
3 hours	D1	11	MWF	228	Schuyler

GENERAL ENGINEERING DRAWING

G.E.D. 101. ELEMENTS OF DRAWING:- Prerequisite: Plane geometry

4 hours	A1	8-11	MW	135	Royster
		8-10	F	135	Royster
	A3	8-11	MW	137	Walraven
		8-10	F	137	Walraven
	B1	12-3	MW	135	Dembski
		12-2	F	135	Dembski
	B3	12-3	MW	137	Dolan
		12-2	F	137	Dolan
	C1	9-12	TT	135	Royster
		10-12	F	135	Royster
	D1	2-5	TT	135	Dembski
		2-4	F	135	Dembski

G.E.D. 102. DESCRIPTIVE GEOMETRY:- Prerequisite: Plane and solid geometry.

4 hours	A4	8-11	MW	141	F. Schroeder
		8-10	F	141	F. Schroeder
	A5	8-11	MW	143	Dembski
		8-10	F	143	Dembski
	A6	8-11	MW	145	Cramer
		8-10	F	145	Cramer
	B4	12-3	MW	141	F. Schroeder
		12-2	F	141	F. Schroeder
	B5	12-3	MW	143	Goppert
		12-2	F	143	Goppert
	B6	12-3	MW	145	Cramer
		12-2	F	145	Cramer
	C3	9-12	TT	137	Futral
		10-12	F	137	Futral
	C4	9-12	TT	141	F. Schroeder
		10-12	F	141	F. Schroeder
	C5	9-12	TT	143	Walraven
		10-12	F	143	Walraven
	C6	9-12	TT	145	Carlson
		10-12	F	145	Carlson
	D3	1-4	TT	137	Futral
		2-4	F	137	Futral
	D4	1-4	TT	141	Royster
		2-4	F	141	Royster
	D5	1-4	TT	143	Dolan
		2-4	F	143	Dolan
	D6	1-4	TT	145	Goppert
		2-4	F	145	Goppert

G.E.D. 107. ARCHITECTURAL PROJECTIONS:- Prerequisite: Plane geometry.

Credit	Section	Hours	Days	Room	Instructor
2 hours	A9	8-11	MF	241	Dolan
	B9	12-3	MF	241	Shapiro
	C9	9-12	TT	241	Holladay

G.E.D. 108. ARCHITECTURAL PROJECTIONS:- Continuation of G.E.D. 107. Prerequisite: G.E.D. 107.

2 hours	A7	8-11	MF	146	Holladay
	B7	12-3	MF	146	Holladay
	C7	9-12	TT	146	Shapiro
	D7	1-4	TT	146	Shapiro

G.E.D. 212. GRAPHICAL CALCULATIONS:- Use of various types of slide rules with special attention to the log-log scales; rectification of curves from laboratory data to devise empirical equations using various types of coordinate paper; construction and use of nomographs or alignment charts. For students in engineering; accepted as an elective in all engineering curricula. Prerequisite: G.E.D. 101, or equivalent, Math. 112, Math. 114, and Math. 122.

1 hour	F8	1	MW-	144	Mucha

GEOGRAPHY

Geog. 101. ELEMENTS OF GEOGRAPHY:- Lectures and discussions. The geographic point of view; elements of landscape; planetary relations, climate, climatic regions, land-forms.

5 hours[1]	Lec. N1	10	TT	218	Cutshall, Finney
	Quiz B1	9	MWF	13	Finney
	Quiz C1	10	MWF	13	Cutshall
	Quiz D1	11	MWF	13	Finney
	Quiz E1	12	MWF	13	Finney
	Quiz F1	1	MWF	13	Cutshall
	Quiz G1	2	MWF	13	Finney

[1]Students with 95 or more credit hours or those with credit in Geog. 104 will receive only 4 hours credit.

Geog. 104. WORLD REGIONAL GEOGRAPHY:- Survey of the geographic structure of the world; regional patterns of settlement and land utilization; man's occupancy of the world. Prerequisite: Geog. 101, or consent of instructor.

3 hours[1]	E1	12	MWF	14	Colby

[1]Students with 95 or more credit hours receive only 2 hours credit.

Geog. 111. INTRODUCTORY METEOROLOGY:- The atmosphere; its composition, functions, and behavior in the production of various weather types; air masses; application to present-day activities. Lectures and quiz. Prerequisite: Geog. 101, or consent of instructor.

Geog. 111. INTRODUCTORY METEOROLOGY:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
3 hours	P1	11	MTT	63	Akin
	E1	12	MWF	63	Akin
	R1	1	TT	63	Akin
		2	Th	14	Akin
	G1	2	MWF	63	Akin
	H1	3	MWF	63	Akin

Geog. 123. GEOGRAPHY OF ILLINOIS:- Detailed regional study of the state with special emphasis on the cultural relations of Illinois to the rest of the nation. Prerequisite: Geog. 101, or 104, or 106, or consent of instructor.

3 hours	D1	11	MWF	14	Cutshall

GEOLOGY

Geol. 101. PHYSICAL GEOLOGY:- Cultural course. Lectures, quiz, and laboratory, one half-day field trip required. Geol. 101 and 102 meet the general education requirement in the physical sciences in the College of Liberal Arts and Sciences.

4 hours[1]	Lec. N	10	TT	210	R. Karpinski
	Quiz C1	10	W	42	R. Karpinski
[1]Students with 95 or	Quiz C2	10	F	42	Burkholder
more credit hours	Quiz H	3	M	42	R. Karpinski
receive only 3 hours	Quiz R	1	Th	42	R. Karpinski
credit.	Quiz U	4	Th	42	Burkholder
	Lab. 1	1-3	M	42	R. Karpinski
	Lab. 2	1-3	W	42	R. Karpinski
	Lab. 3	1-3	F	42	R. Karpinski
	Lab. 4	3-5	Tu	42	Burkholder
	Lab. 5	3-5	W	42	Burkholder

Geol. 102. HISTORICAL GEOLOGY:- Prerequisite: Geol. 101, or D.G.S. 141.

4 hours[1]	Lec. P	11	TT	42	Burkholder
	Quiz M	9	Th	42	Burkholder
[1]Students with 95 or	Quiz S	2	Tu	42	Burkholder
more credit hours	Lab. 1	8-10	Tu	42	Burkholder
receive only 3 hours	Lab. 2	2-4	Th	42	Burkholder
credit.					

Geol. 132. MINERALOGY:- Continuation of Geol. 131. A systematic study of minerals and common rocks. Lecture and laboratory. Prerequisite: Geol. 131.

3 hours	Lab. 1	8-10	MWF	42 & 53	Koucky

Geol. 150. GEOLOGY FOR ENGINEERS:- Prerequisite: Sophomore standing in the College of Engineering.

Credit	Section	Hours	Days	Room	Instructor
3 hours	D	11	MWF	42	R. Karpinski

GERMAN

German 101. ELEMENTARY COURSE:- No credit toward graduation is given for German 101 without German 102.

4 hours[1]	A1	8	TWTF	220	Braunfeld
	B1	9	TWTF	220	Willner
[1]Students with 95 or more credit hours receive only 3 hours credit.	C1	10	TWTF	220	Braunfeld
	D1	11	TWTF	220	Willner
	F1	1	TWTF	220	Teichmann
	H1	3	TWTF	220	Fuller

German 102. ELEMENTARY COURSE:- Continuation of German 101. Prerequisite: German 101, or one year of high school German.

4 hours[1]	A1	8	TWTF	221	Hartoch
	B1	9	TWTF	221	Hartoch
[1]Students with 95 or more credit hours receive only 3 hours credit.	C1	10	TWTF	221	Teichmann
	D1	11	TWTF	221	Teichmann
	D2	11	TWTF	222	Fuller
	F1	1	TWTF	221	Neumann
	G1	2	TWTF	221	Fuller
	H1	3	TWTF	221	Neumann

German 103. INTERMEDIATE COURSE:- Prerequisite: German 102, or two years of high school German, or equivalent.

4 hours	B1	9	TWTF	222	Braunfeld
	C1	10	TWTF	222	Willner
	F1	1	TWTF	222	Willner

German 104. INTERMEDIATE COURSE:- Continuation of German 103. Literary reading. Prerequisite: German 103, or three years of high school German, or equivalent.

4 hours	B1	9	TWTF	223	Teichmann
	C1	10	TWTF	223	Vardaman
	D1	11	TWTF	223	Vardaman
	F1	1	TWTF	223	Fuller
	G1	2	TWTF	223	Neumann

German 210. MASTERPIECES OF GERMAN LITERATURE:- Introduction to German literature, its subjects, forms, and ideals. Prerequisite: German 104, 144, two years of college German, or equivalent.

3 hours	E1	12	MWF	223	Vardaman

HISTORY

Hist. 112. MODERN EUROPEAN HISTORY, 1815 TO THE PRESENT:- Development of European nationalism, liberalism, and imperialism; World War; Reconstruction.

Credit	Section	Hours	Days	Room	Instructor
4 hours[1]	Lec. M1	9	TT	218	Nicholson
	Quiz C1	10	WF	94	Nicholson
[1]Students with 95 or more credit hours receive only 3 hours credit.	Quiz E1	12	WF	94	Nicholson
	Quiz R1	1	TT	19	Nicholson
	Quiz S1	2	TT	94	Nicholson
	Lec. D1	11	WF	218	Unfer
	Quiz F1	1	WF	94	Unfer
	Quiz H1	3	WF	94	Unfer
	Quiz M1	9	TT	94	Unfer
	Quiz N1	10	TT	94	Unfer

Hist. 132. HISTORY OF ENGLAND, 1688 TO 1952:- Modern history of the United Kingdom; colonial and imperial development.

3 hours[1]	Lec. D1	11	M	218	S. Jones
	Quiz F1	1	MW	97	S. Jones
[1]Students with 95 or more credit hours receive only 2 hours credit.	Quiz G1	2	WF	94	Unfer
	Quiz M1	9	TT	97	Bill
	Quiz N1	10	TT	97	S. Jones
	Quiz R1	1	TT	97	Bill

Hist. 152. HISTORY OF THE UNITED STATES, 1865 TO 1952:- A century of national life and organization. Prerequisite: Sophomore standing.

3 hours	Lec. C1	10	M	218	Riddle
	Quiz E1	12	WF	97	Bill
	Quiz G1	2	MW	97	S. Jones
	Quiz M1	9	TT	96	S. Jones
	Quiz N1	10	TT	19	Riddle
	Quiz P1	11	TT	97	Bill
	Quiz R1	1	TT	14	S. Jones

Hist. 182. THE ANCIENT WORLD:- Rome. Prerequisite: Sophomore standing.

3 hours	P1	11	TTF	94	Nicholson

HYGIENE

HYGIENE 102. PERSONAL AND ENVIRONMENTAL HYGIENE:- Required of all undergraduate women during their first year of residence. Those whose names begin with the letters M to Z should register the second semester.

Hygiene 102. PERSONAL AND ENVIRONMENTAL HYGIENE:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
2 hours[1]	A	8	WF	213	Staff
	C	10	WF	210	Staff
	E	12	WF	213	Staff
	H	3	MW	213	Staff

[1]Students with 95 or more credit hours receive only 1 hour credit.

Hygiene 105. PERSONAL AND ENVIRONMENTAL HYGIENE:- Required of all undergraduate men during their first year of residence. Students in the College of Liberal Arts and Sciences should register in the first semester. All other students should register in the second semester. Those whose schedule will not permit registration in this order will, with proper approval, be accepted in either semester.

2 hours[1]	B	9	MW	213	Staff
	M	9	TT	213	Staff
	C	10	MW	213	Staff
	N	10	TT	213	Staff
	D	11	WF	213	Staff
	P	11	TT	213	Staff
	R	1	TT	213	Staff
	F	1	WF	213	Staff
	G	2	WF	213	Staff
	S	2	TT	213	Staff
	T	3	TT	213	Staff
	U	4	TT	213	Staff

[1]Students with 95 or more credit hours receive only 1 hour credit.

MANAGEMENT

Management 101. INDUSTRIAL ORGANIZATION AND MANAGEMENT:- Prerequisite: Econ. 102 or 108 or consent of Associate Dean.

3 hours	C1	10	MWF	22	Gillett
	E1	12	MWF	22	J. Morris

MARKETING

Marketing 101. PRINCIPLES OF MARKETING:- Prerequisite: Econ. 102 or 108 or consent of Associate Dean.

3 hours	B1	9	MWF	24	Larson
	D1	11	MWF	25	Berg

MATHEMATICS

Math. 101. BASIC MATHEMATICS:- A systematic presentation of the fundamentals of arithmetic, algebra, plane geometry, trigonometry, and statistics. For L.A.S. students only. Required of students in the general curriculum of the College of Liberal Arts and Sciences whose entrance credits do not include algebra and plane geometry.

Math. 101. BASIC MATHEMATICS:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
3 hours	C1	10	MWF	101	Olsen
	R1	1	M	106	Pennisi
		1	TT	101	

Math. 103. INTRODUCTION TO COLLEGE ALGEBRA:-

3 hours[1]	A1	8	MTWTF	100	Iverson
	B1	9	MWF	101	Nolan
[1]Students having $1\frac{1}{2}$	B2	9	MTWTF	100	Dinkines
entrance units in	C1	10	MTWTF	100	Berglund
algebra receive no	D1	11	MTWTF	100	Lariviere
credit. Students	E1	12	MWF	101	Grenard
with 95 or more credit	F1	1	MWF	101	
hours receive no credit.	F2	1	MTWTF	100	Nolan
	G1	2	MWF	102	Stelling
	G2	2	MTWTF	100	
	G3	2	MTWTF	101	Alberti
	H1	3	MTWTF	100	Grenard
	H2	3	MTWTF	101	Pennisi
	J1	4	MWF	102	
	J2	4	MTWTF	100	Stelling
	J3	4	MTWTF	101	
	N1	10	M	110	Alberti
		10	TT	101	

Math. 106. SOLID GEOMETRY:- Prerequisite: Entrance algebra, 1 unit; plane geometry, 1 unit.

3 hours[1]	B1	9	MWF	105	Turner
	E1	12	MWF	100	Scholomiti
[1]Satisfies deficiency	G1	2	MWF	111	
in solid geometry for	T1	3	M	110	
engineering students;		3	TT	103	
all other students					
receive full credit.					

Math. 108. ELEMENTARY PLANE GEOMETRY FOR VETERANS:- Students may meet entrance requirements for the Colleges of Commerce and Engineering through this course.

No credit	F1	1	MWF	104	Murphy
	P1	11	M	103	Ondrak
		11	TT	102	

Math. 110. FUNDAMENTALS OF MATHEMATICS:- For students who do not specialize in mathematics. A survey of the character of mathematics as a subject and of its relations to science, art philosophy, and knowledge in general. Prerequisite: Math. 109.

4 hours	D1	11	TWTF	103	Hartley

Math. 112. COLLEGE ALGEBRA:- Prerequisite: Entrance algebra, 1½ units, or Math. 103; plane geometry, 1 unit, or Math. 108.

Credit	Section	Hours	Days	Room	Instructor
3 hours[1]	B1	9	MWF	102	Feinstein
	*B2	9	MWF	103	Scholomiti
[1]Students with 95 or more credit hours receive only 2 hours credit.	C1	10	MWF	103	Ondrak
	C2	10	MWF	104	Hornacek
	*C3	10	MWF	102	Turner
	D1	11	MWF	102	Iverson
	D2	11	MWF	101	Pennisi
*For Commerce students only.	E1	12	MWF	102	Frank
	E2	12	MWF	110	Hornacek
	*E3	12	MWF	103	Alberti
	F1	1	MWF	103	Turner
	G1	2	MWF	104	Berglund
	G2	2	MWF	103	Olsen
	H1	3	MWF	103	Johannes
	J1	4	MWF	104	
	*J2	4	MWF	103	Johannes
	*M1	9	M	110	Hornacek
		9	TT	103	
	R1	1	M	110	Ondrak
		1	TT	102	
	S1	2	M	110	Scholomiti
		2	TT	106	
	U1	4	M	110	Grenard
		4	TT	104	

Math. 114. PLANE TRIGONOMETRY:- Prerequisite: Entrance algebra, 1½ units, or Math. 103; plane geometry, 1 unit, or Math. 108.

2 hours[1]	M1	9	TT	105	Nolan
	M2	9	TT	106	Feinstein
[1]Students with 95 or more credit hours receive only 1 hour credit.	N1	10	TT	104	Feinstein
	N2	10	TT	105	Olsen
	P1	11	TT	101	Iverson
	P2	11	TT	123	Dinkines
	R1	1	TT	103	Murphy
	R2	1	TT	104	Turner
	S1	2	TT	103	Ondrak
	S2	2	TT	104	Johannes
	S3	2	TT	105	Olsen
	T1	3	TT	104	Johannes
	T2	3	TT	105	Lariviere
	T3	3	TT	106	Stelling
	U1	4	TT	105	Scholomiti
	U2	4	TT	106	

Math. 117. COMBINED FRESHMAN MATHEMATICS:- A combined course integrating all the usual topics of algebra, trigonometry, and analytic geometry, and also some topics of differential calculus. For students of chemistry, chemical engineering, ceramics, ceramic engineering, and architecture. Prerequisite: Entrance algebra, 1½ units; plane geometry, 1 unit.

Math. 117. COMBINED FRESHMAN MATHEMATICS:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
5 hours	A1	8	MTWTF	105	Hornacek
	D1	11	MTWTF	105	Nolan
	F1	1	MTWTF	105	Stelling

Math. 122. ANALYTIC GEOMETRY:- Plane and solid analytic geometry. Prerequisite: Math. 111 or 112 and 114 or 115.

4 hours[1]	B1	9	TWTF	110	Ondrak
	C1	10	TWTF	110	Frank
[1]Students with 95 or	D1	11	TWTF	110	Turner
more credit hours	F1	1	TWTF	110	Johannes
receive only 3 hours	G1	2	TWTF	110	Nowlan
credit.	H1	3	TWTF	110	Alberti
	J1	4	TWTF	110	Murphy

Math. 123. ANALYTIC GEOMETRY:- Plane and solid analytic geometry. Prerequisite: Math. 111 or 112 and 114 or 115.

5 hours[1]	C1	10	MTWTF	106	Hartley

[1]Students with 95 or more credit hours receive only 4 hours credit.

Math. 127. COMBINED FRESHMAN MATHEMATICS:- Continuation of Mathematics 117. Prerequisite: Math. 117.

4 hours	D1	11	TWTF	106	Olsen
	F1	1	TWTF	106	Grenard

Math. 132. CALCULUS:- First course for students of mathematics and engineering. Prerequisite: Math. 122.

5 hours	A1	8	MTWTF	111	Dinkines
	B1	9	MTWTF	111	Iverson
	C1	10	MTWTF	111	Corliss
	D1	11	MTWTF	111	Frank
	D2	11	MTWTF	104	Berglund
	F1	1	MTWTF	111	Nowlan
	H1	3	MTWTF	111	Murphy

Math. 137. CALCULUS:- For students of chemistry, chemical engineering, ceramics, ceramic engineering, and architecture. Prerequisite: Math. 117 and 127, or consent of department.

3 hours	H1	3	MWF	106	Scholomiti

Math. 142. CALCULUS:- Second course for students of mathematics and engineering. Prerequisite: Math. 132.

3 hours	C1	10	MWF	105	Nowlan
	E1	12	MWF	105	Feinstein

Math. 142. CALCULUS:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
	G1	2	MWF	105	Hartley
	J1	4	MWF	105	Pennisi

Math. 147. CALCULUS:- Continuation of Mathematics 137. Prerequisite: Math. 137.

3 hours	H1	3	MWF	105	Lariviere

Math. 161. STATISTICS:- Prerequisite: Math. 111 or 112; sophomore standing.

3 hours	F1	1	MWF	102	Lariviere

Math. 341. DIFFERENTIAL EQUATIONS:- Prerequisite: Math. 132 and 142, or Math. 137 and 147.

3 hours	E1	12	MWF	104	Corliss

MECHANICAL ENGINEERING

M.E. 171. MECHANISM:- Prerequisite: G.E.D. 101 and registration in Physics 103.

2 hours	A2	9-11	MW	136	Futral
	C2	9-11	TT	136	Cramer

M.E. 182. MANUFACTURING PROCESSES:- Prerequisite: Sophomore standing in aeronautical engineering, or consent of instructor.

3 hours	C1	10	MWF	65	Perkins

M.E. 183. MATERIALS CASTING:- Prerequisite: Sophomore standing; G.E.D. 101 or 104.

3 hours	Lec. D1	11	MF	65	Kennedy & R. Schroeder
	Lec. E1	12	MF	65	Kennedy & R. Schroeder
	Lab. A	8-11	Tu	71	Kennedy & R. Schroeder
	Lab. B	8-11	Th	71	Kennedy & R. Schroeder
	Lab. C	12-3	W	71	Kennedy & R. Schroeder

M.E. 184. METAL PROCESSING:- Prerequisite: Sophomore standing; G.E.D. 101 or 104.

3 hours	Lec. M1	9	TT	65	Perkins & Kozacka

M.E. 184. METAL PROCESSING:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
	Lec. P1	11	TT	65	Perkins & Kozacka
	Lab. A	8-11	Tu	64	Perkins & Kozacka
	Lab. B	12-3	F	64	Perkins & Kozacka
	Lab. C	2-5	Th	64	Perkins & Kozacka

MILITARY SCIENCE AND TACTICS

Mil. Sci. 102. FRESHMAN DRILL AND THEORY:- Combat formations; tactics of the rifle squad; first aid and hygiene; individual weapons and marksmanship; leadership, drill and exercise of command. Students must be registered in the two hour theory course and in one drill period. Prerequisite: Approval of the Military Science Department.

Theory

1 hour	1X	9	MW	230	Park
	2X	10	MW	230	Park
	3X	12	MW	230	Park
	4X	2	MW	230	Park
	5X	3	MW	230	Park
	1Y	9	TT	116	McCoy
	2Y	10	TT	116	McCoy
	3Y	1	TT	116	McCoy
	4Y	2	TT	116	McCoy
	5Y	3	TT	116	McCoy

Drill

1Z	9	F	Drill	Park
2Z	10	F	Drill	Murphy
3Z	11	F	Drill	McCoy
4Z	12	F	Drill	Severns
5Z	1	F	Drill	McNulty
6Z	2	F	Drill	Murphy
7Z	3	F	Drill	Severns

Mil. Sci. 104. INFANTRY SOPHOMORE DRILL AND THEORY:- Combat formations; tactics of the rifle squad; scouting and patrolling; technique of fire of rifle squad; marksmanship; leadership, drill and exercise or command. Students must be registered in the two hour theory course and in one drill period. Prerequisite: Mil. Sci. 101 and 102, or equivalent and approval of the Military Science Department.

Theory

1 hour	1Y	10	TT	230	McNulty
	2Y	3	TT	230	McNulty

Mil. Sci. 104. INFANTRY SOPHOMORE DRILL AND THEORY:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
		Drill			
	1Z	9	F	Drill	Park
	2Z	10	F	Drill	Murphy
	3Z	11	F	Drill	McCoy
	4Z	12	F	Drill	Severns
	5Z	1	F	Drill	McNulty
	6Z	2	F	Drill	Murphy
	7Z	3	F	Drill	Severns

Mil. Sci. 134. CORPS OF ENGINEERS SOPHOMORE DRILL AND THEORY:- Hand tools and rigging; mines and booby traps; organization and tactics of small units; organization of the ground and field fortifications; leadership, drill and exercise of command. Students must be registered in the two hour theory course and in one drill period. Prerequisite: Mil. Sci. 101 and 102, or equivalent, enrollment in engineering or allied curriculum and approval of the Military Science Department.

		Theory			
1 hour	1Y	8	TT	230	Murphy
	2Y	9	TT	230	Murphy
	3Y	2	TT	230	Murphy
		Drill			
	1Z	9	F	Drill	Park
	2Z	10	F	Drill	Murphy
	3Z	11	F	Drill	McCoy
	4Z	12	F	Drill	Severns
	5Z	1	F	Drill	McNulty
	6Z	2	F	Drill	Murphy
	7Z	3	F	Drill	Severns

Mil. Sci. 164. ARTILLERY (ANTIAIRCRAFT) SOPHOMORE DRILL AND THEORY:- Characteristics, capabilities and limitations of antiaircraft artillery automatic weapons; service of the piece, automatic weapons fire unit; introduction to field artillery; leadership, drill and exercise of command. Students must be registered in the two hour theory course, and in one drill period. Prerequisite: Mil. Sci. 101 and 102, or equivalent, and approval of the Military Science Department.

		Theory			
1 hour	1X	10	MW	116	Severns
	2X	12	MW	116	Severns
	3X	1	MW	116	Severns

Mil. Sci. 164. ARTILLERY (ANTIAIRCRAFT) SOPHOMORE DRILL AND THEORY:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
		Drill			
	1Z	9	F	Drill	Park
	2Z	10	F	Drill	Murphy
	3Z	11	F	Drill	McCoy
	4Z	12	F	Drill	Severns
	5Z	1	F	Drill	McNulty
	6Z	2	F	Drill	Murphy
	7Z	3	F	Drill	Severns

Mil. Sci. 206. ADVANCED INFANTRY:- Communications; combat intelligence, estimate of situation and combat orders; field fortifications; tactics of rifle and heavy weapons platoons and companies; leadership, drill and exercise of command. Students must be registered in four hour theory course and in one drill period. Prerequisite: Mil. Sci. 103 and 104, have successfully completed certain army tests and examinations, and approval of the Military Science Department.

		Theory			
3 hours	A	1	MTWT	230	McNulty
		Drill			
	1Z	9	F	Drill	Park
	2Z	10	F	Drill	Murphy
	3Z	11	F	Drill	McCoy
	4Z	12	F	Drill	Severns
	5Z	1	F	Drill	McNulty
	6Z	2	F	Drill	Murphy
	7Z	3	F	Drill	Severns

Mil. Sci. 236. ADVANCED CORPS OF ENGINEERS:- Bridge design and classification; engineer supply; military roads and runways; water supply; individual weapons and marksmanship; leadership, drill and exercise of command. Students must be registered in the four hour theory course and in one drill period. Prerequisite: Mil. Sci. 133 and 134, have successfully completed certain army tests and examinations and approval of the Military Science Department.

		Theory			
3 hours	B	11	MTWT	230	Park
		Drill			
	1Z	9	F	Drill	Park
	2Z	10	F	Drill	Murphy

Mil. Sci. 236. ADVANCED CORPS OF ENGINEERS:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
	3Z	11	F	Drill	McCoy
	4Z	12	F	Drill	Severns
	5Z	1	F	Drill	McNulty
	6Z	2	F	Drill	Murphy
	7Z	3	F	Drill	Severns

Mil. Sci. 266. ADVANCED ARTILLERY (ANTIAIRCRAFT):- Antiaircraft artillery tactics; gunnery; communications; field artillery tactics; leadership, drill and exercise of command. Students must be registered in the four hour theory course and one drill period. Prerequisite: Mil. Sci. 163 and 164, successfully completed certain army tests and examinations and approval of the Military Science Department.

Theory

3 hours	C	11	MTWT	116	McCoy

Drill

1Z	9	F	Drill	Park
2Z	10	F	Drill	Murphy
3Z	11	F	Drill	McCoy
4Z	12	F	Drill	Severns
5Z	1	F	Drill	McNulty
6Z	2	F	Drill	Murphy
7Z	3	F	Drill	Severns

MUSIC

University Choir:- Admission by consent of Director.

No credit.	F1	1	MWF	354	H. Williams

PHILOSOPHY

Phil. 101. INTRODUCTION TO PHILOSOPHY:- Discussion of problems in the field of morals, art, and knowledge, with selected readings from philosophers whose views have been influential in Western culture. Prerequisite: Sophomore standing.

3 hours	E1	12	MWF	82	Page
	R1	1	MTT	94	D. Morris

Phil. 102. LOGIC:- Reasoning, detection of fallacies, evidence. Prerequisite: Sophomore standing.

3 hours	C1	10	MWF	28	D. Morris

Phil. 102. LOGIC:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
	D1	11	MWF	97	D. Morris
	S1	2	TTF	17	D. Morris

Phil. 105. MORAL IDEAS AND PRACTICE:- Credit is not given for both Philosophy 103 and 105. Prerequisite: Sophomore standing.

2 hours	M1	9	TT	19	Page
	R1	1	TT	21	Page

PHYSICAL EDUCATION FOR MEN

P.E.M. 101, 102, 103, 104. PRESCRIBED EXERCISES:- Open only to students who are assigned by the Health Service. Students enrolling for the first time should register for P.E.M. 101. Students enrolling for the second, third, or fourth time should register for P.E.M. 102, 103, 104, respectively.

1 hour	A	8	MWF	Gym	Kristufek
	B	9	MWF	Gym	Rader
	C	10	MWF	Gym	Rader
	D	11	MWF	Gym	Rader
	E	12	MWF	Gym	Fordham
	F	1	MWF	Gym	Kristufek
	G	2	MWF	Gym	Berrafato
	H	3	MWF	Gym	Ryan

P.E.M. 106. DEVELOPMENTAL ACTIVITIES:-

1 hour	A	8	MWF	Gym	V. Johnson
	B	9	MWF	Gym	L. Miller
	C	10	MWF	Gym	Kristufek
	D	11	MWF	Gym	Versen
	E	12	MWF	Gym	Kristufek
	F	1	MWF	Gym	Tighe
	G	2	MWF	Gym	Fordham
	H	3	MWF	Gym	Berrafato

P.E.M. 112. INDIVIDUAL TUMBLING:-

1 hour	A	8	MWF	Gym	Montcalm
	B	9	MWF	Gym	V. Johnson
	C	10	MWF	Gym	L. Miller
	D	11	MWF	Gym	Frey
	E	12	MWF	Gym	Montcalm
	G	2	MWF	Gym	Ryan

P.E.M. 114. APPARATUS STUNTS:-

1 hour	B	9	MWF	Gym	Montcalm

P.E.M. 114. APPARATUS STUNTS:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
	C	10	MWF	Gym	Frey
	D	11	MWF	Gym	Montcalm
	E	12	MWF	Gym	Frey
	F	1	MWF	Gym	Montcalm
	G	2	MWF	Gym	Frey

P.E.M. 117. BOXING:-

1 hour	B	9	MWF	Gym	Kristufek
	C	10	MWF	Gym	Tighe
*Classes will meet	D	11	MWF	Gym	Tighe
for 1½ hours.	E	12	MWF	Gym	Berrafato
	F	1	MWF	Gym	Berrafato
	Lm	*8	TT	Gym	Tighe
	Mn	*9	TT	Gym	Tighe

P.E.M. 118. WRESTLING:-

1 hour	A	8	MWF	Gym	Mann
	B	9	MWF	Gym	Mann
*Classes will meet	C	10	MWF	Gym	Mann
for 1½ hours.	D	11	MWF	Gym	Ryan
	E	12	MWF	Gym	Ryan
	F	1	MWF	Gym	Ryan
	G	2	MWF	Gym	Tighe
	Np	*10	TT	Gym	Mann
	Pq	*11	TT	Gym	Kristufek

P.E.M. 120. PERSONAL DEFENSE ACTIVITIES:-

1 hour	F	1	MWF	Gym	V. Johnson
	H	3	MWF	Gym	Tighe
*Classes will meet	Mn	*9	TT	Gym	V. Johnson
for 1½ hours.	Rs	*1	TT	Gym	Ryan

P.E.M. 123. WEIGHT LIFTING:-

1 hour	A	8	MWF	Gym	Rader
	C	10	MWF	Gym	Versen
*Classes will meet	D	11	MWF	Gym	L. Miller
for 1½ hours.	E	12	MWF	Gym	V. Johnson
	F	1	MWF	Gym	Versen
	G	2	MWF	Gym	Gedvilas
	H	3	MWF	Gym	Frey
	Np	*10	TT	Gym	Kristufek
	Pq	*11	TT	Gym	Berrafato
	Rs	*1	TT	Gym	Berrafato
	St	*2	TT	Gym	Montcalm

P.E.M. 129. VOLLEYBALL:-

P.E.M. 129. VOLLEYBALL:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
1 hour	Lm	*8	TT	Gym	Frey
	Mn	*9	TT	Gym	Mann
*Classes will meet for 1½ hours.	Np	*10	TT	Gym	Versen
	Pq	*11	TT	Gym	L. Miller
	Rs	*1	TT	Gym	Montcalm
	St	*2	TT	Gym	Fordham

P.E.M. 132. ARCHERY:-

1 hour	Np	*10	TT	Gym	V. Johnson
	Pq	*11	TT	Gym	Rader
*Classes will meet for 1½ hours.	Rs	*1	TT	Gym	Rader

P.E.M. 136. BADMINTON:-

1 hour	Lm	*8	TT	Gym	V. Johnson
	Mn	*9	TT	Gym	Frey
*Classes will meet for 1½ hours.	Np	*10	TT	Gym	L. Miller
	Pq	*11	TT	Gym	Versen
	Rs	*1	TT	Gym	Fordham
	St	*2	TT	Gym	Ryan

P.E.M. 139. BACKYARD SPORTS:-

1 hour	St	*2	TT	Gym	Berrafato

*Classes will meet for 1½ hours.

P.E.M. 140. BOATING AND FISHING:- Open to students who have completed two semesters of physical education and have made physical fitness scores high enough to allow free choice of courses, or upon recommendation of the Director of Physical Education. It will be necessary for students to supply their own personal equipment, but students are advised to purchase no equipment until after the first meeting of the class. The physical education department will supply the boats, canoes, life jackets, etc.

1 hour	Np	*10	TT	Gym	Rader
	Rs	*1	TT	Gym	Gedvilas
*Classes will meet for 1½ hours.	St	*2	TT	Gym	Gedvilas

P.E.M. 143. AMERICAN SQUARE DANCE:-

1 hour	F	1	MWF	Audit.	Staff

P.E.M. 150. PROFESSIONAL ORIENTATION:- For students majoring in physical education.

2 hours	F	1	MW	Gym	Fordham

P.E.M. 151. BEGINNING BASKETBALL:- For students majoring in physical education. (First eight weeks)

Credit	Section	Hours	Days	Room	Instructor
2 hours	A	8-10	MTWTF	Gym	Gedvilas

P.E.M. 152. BEGINNING FOOTBALL:- For students majoring in physical education. (Second eight weeks)

2 hours	A	8-10	MTWTF	Gym	Versen

P.E.M. 159. CAMP COUNSELING:- For students majoring in physical education.

3 hours	F1	1	MWF	Gym	Gedvilas
	F2	1	MWF	Gym	Mann

PHYSICAL EDUCATION FOR WOMEN

P.E.W. 100. CONDITIONING ACTIVITIES:-

1 hour	B	9	MWF	Audit.	Meunier
	C	10	MWF	Audit.	Meunier
*Classes will meet	D	11	MWF	Audit.	Meunier
for 1½ hours.	M	*9	TT	Audit.	Pesavento
	N	*10	TT	Audit.	Pesavento
	P	*11	TT	Audit.	Pesavento
	R1	*1	TT	Audit.	Meunier
	R2	*1	TT	Audit.	Pesavento
	S	*2	TT	Audit.	Meunier

P.E.W. 102. MODIFIED ACTIVITIES:- Prerequisite: Recommendation from Health Service.

1 hour	F	1	MWF	Audit.	N. Richardson

P.E.W. 105. ELEMENTARY RHYTHMS:-

1 hour	A	8	MWF	Audit.	Myers
	C	10	MWF	Audit.	Myers
*Classes will meet	D	11	MWF	Audit.	Myers
for 1½ hours.	R	*1	TT	Audit.	Myers

P.E.W. 106. INTERMEDIATE RHYTHMS:- Prerequisite: P.E.W. 105 or consent of instructor.

1 hour	N	*10	TT	Audit.	Myers
	P	*11	TT	Audit.	Myers

*Classes will meet for 1½ hours.

P.E.W. 123. BASKETBALL:-

Credit	Section	Hours	Days	Room	Instructor
1 hour	L	*8	TT	Audit.	N. Richardson

*Classes will meet for 1½ hours.

P.E.W. 124. VOLLEYBALL:- (Supplemented with archery) Personal equipment furnished by student.

1 hour	M	*9	TT	Audit.	N. Richardson

*Classes will meet for 1½ hours.

P.E.W. 125. SOFTBALL:-

1 hour	H	3	MWF	Audit.	N. Richardson

P.E.W. 130. BADMINTON:- Personal equipment furnished by student.

1 hour	E	12	MWF	Audit.	N. Richardson

P.E.W. 131. GOLF:- Personal equipment furnished by student.

1 hour	N	*10	TT	Audit.	N. Richardson

*Classes will meet for 1½ hours.

P.E.W. 140. BOATING AND FISHING:- Open to students who have completed two semesters of physical education or consent of instructor. Students will supply their own personal equipment and the department will furnish boats, canoes, life jackets, etc.

1 hour	P	*11	TT	Audit.	Meunier

*Classes will meet for 1½ hours.

P.E.W. 143. AMERICAN SQUARE DANCE:-

1 hour	F	1	MWF	Audit.	Meunier

P.E.W. 144. FOLK DANCING:-

1 hour	G	2	MWF	Audit.	Barton

P.E.W. 152. SOFTBALL AND BASKETBALL:- (Professional course)

1 hour	G	2	MTWTF	Audit.	N. Richardson

P.E.W. 160. BEGINNING CONTEMPORARY DANCE:- (Professional course)

1 hour	B	9	MTWTF	Audit.	Myers

PHYSICS

Physics 101. GENERAL PHYSICS (MECHANICS, HEAT, AND SOUND):- Prerequisite: Math. 114 or Math. 117.

Credit	Section	Hours	Days	Room	Instructor
5 hours	Lec. X	11	Tu	210	Staff
	Lec. Y	2	Tu	210	Staff
*For Architecture	*Quiz D1	11	MWF	123	Livermore
students only.	*Lab. D	8-11	Th	117&125	Livermore
	*Quiz R1	1	MTT	123	Silkett
	*Lab. R	12-3	W	117&125	Olanoff
	Quiz T1	3	MTT	123	Silkett
	Lab. T	3-6	W	117&125	Silkett

Physics 102. GENERAL PHYSICS (LIGHT, ELECTRICITY, AND MAGNETISM):- Prerequisite: Physics 101.

5 hours	Lec. X	11	Th	210	Staff
	Lec. Y	2	Th	210	Staff
	Quiz A1	8	MWF	123	Klapperich
	Lab. A	8-11	Th	122&124	Klapperich
	Quiz G1	2	MWF	120	Olanoff
	Lab. G	2-5	Tu	122&124	Olanoff
	Quiz N1	10	MTT	134	Kromhout
	Lab. N	8-11	W	122&124	Kromhout

Physics 103. GENERAL PHYSICS (MECHANICS, HEAT, AND SOUND):- For students in engineering, mathematics, physics, and chemistry. Prerequisite: Credit or registration in Math. 132 or Math. 137.

5 hours	Lec. X	11	Tu	210	Staff
	Lec. Y	2	Tu	210	Staff
	Quiz A1	8	MWF	134	Skadeland
	Lab. A	8-11	Tu	125&117	Skadeland
	Quiz D1	11	MWF	134	Skadeland
	Lab. D	9-12	Th	125&117	Skadeland
	Quiz R1	1	MTT	134	H. Johnson
	Lab. R	12-3	W	125&117	H. Johnson
	Quiz S1	2	MTT	134	Livermore
	Lab. S	12-3	F	125&117	Livermore

Physics 104. GENERAL PHYSICS (ELECTRICITY, MAGNETISM, LIGHT, AND MODERN PHYSICS):- For students in engineering, mathematics, physics, and chemistry. Prerequisite: Physics 103.

5 hours	Lec. X	11	Th	210	Staff
	Lec. Y	2	Th	210	Staff
	Quiz A1	8	MWF	120	Olanoff
	Lab. A	8-11	Th	124&122	Olanoff
	Quiz B1	9	MWF	134	Klapperich
	Lab. B	8-11	Tu	124&122	Klapperich

Physics 104. GENERAL PHYSICS (ELECTRICITY, MAGNETISM, LIGHT, AND MODERN PHYSICS):- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
	Quiz D1	11	MWF	113	Price
	Lab. D	1-4	Th	124&122	Price
	Quiz H1	3	MWF	120	Anderson
	Lab. H	3-6	Tu	124&122	Anderson
	Quiz M1	9	MTT	120	Moulton
	Lab. M	8-11	W	124&122	Moulton
	Quiz N1	10	MTT	113	H. Johnson
	Lab. N	9-12	F	124&122	H. Johnson
	Quiz R1	1	MTT	120	Anderson
	Lab. R	12-3	W	124&122	Anderson

Physics 105. NURSES' PHYSICS:- Prerequisite: Sophomore standing or consent of instructor.

4 hours	Quiz D1	11	TWTF	117&125	Silkett

POLITICAL SCIENCE

Pol. Sci. 104. INTRODUCTION TO INTERNATIONAL POLITICS:- A survey course covering such topics as the following: the development of the world system of states; the international political and economic struggle for power; the determination and conduct of foreign policy; problems involved in maintaining peace; and organizations devoted to its maintenance.

3 hours	B1	9	MWF	28	Gabis
	R1	1	MTT	96	Barber

Pol. Sci. 150. AMERICAN GOVERNMENT: ORGANIZATION AND POWERS:- Historical development of national, state, and local governments; the federal system; national and state constitutions; civil and political rights; party system; nature, structure, powers and procedure of legislative, executive, and judicial departments in state and nation. Prerequisite: Sophomore standing.

3 hours	A1	8	MWF	28	Gabis
	M1	9	MTT	82	Barber
	R1	1	TT	16	Gabis
		2	Th		
	S1	2	MTT	82	Barber
	T1	2	Tu	16	Gabis
		3	TT		

Pol. Sci. 151. AMERICAN GOVERNMENT: FUNCTIONS:- Functions of national, state, and local governments; foreign relations and

Pol. Sci. 151. AMERICAN GOVERNMENT: FUNCTIONS:- (Concluded). national defense; taxation and finance; law enforcement; police power; regulation of commerce, communications, and business; promotion of social and economic welfare; current problems. Prerequisite: Sophomore standing; Pol. Sci. 150, or consent of department. Students may not receive credit for both Pol. Sci. 151 and 101 and 102.

Credit	Section	Hours	Days	Room	Instructor
3 hours	D1	11	MWF	28	Gabis
	N1	10	MTT	82	Barber

PSYCHOLOGY

Psych. 100. INTRODUCTION TO PSYCHOLOGY:- Introductory analysis and description of human behavior, with special reference to observation, learning, memory, thinking, emotional life, and personality development. Major emphasis is placed upon psychological principles as they relate to daily life and everyday problems. Prerequisite: Sophomore standing.

4 hours	Lec. B1	9	WF	218	Heilman
	Quiz M1	9	TT	229	Heilman
	Quiz N1	10	TT	229	Heilman
	Quiz P1	11	TT	229	Heilman
	Quiz C1	10	WF	229	Heilman
	Lec. P1	11	TT	218	Lipman
	Quiz D1	11	WF	229	DeRidder
	Quiz E1	12	WF	229	Howard
	Quiz G1	2	WF	229	Howard

Psych. 145. INDUSTRIAL PSYCHOLOGY:- A consideration of socio-psychological principles of behavior in business and industry, and of the scientific methods of investigation in this area; a survey of specific methods of personnel technology. Prerequisite: Psych. 100.

3 hours	D1	11	MWF	16	Howard
	G1	2	MWF	16	Dutton

Psych. 150. PERSONALITY AND SOCIAL BEHAVIOR:- An introduction to the study of personality in relationship to the social environment. Application of psychological principles to social problems. Prerequisite: Psych. 100, or equivalent.

3 hours	Lec. C1	10	WF	218	Lipman
	Quiz B1	9	M	229	Heilman
	Quiz D1	11	M	229	Heilman
	Quiz M1	9	Tu	17	Lipman
	Quiz R1	1	Tu	17	Lipman

RHETORIC

Rhet. 100. FRESHMAN REMEDIAL RHETORIC AND COMPOSITION:- Open to students who fail the placement test for admission to Rhet. 101. Intensive review of fundamentals, with considerable practice in composition. Students passing this course will be admitted to Rhet. 101 without further examination.

Credit	Section	Hours	Days	Room	Instructor
No credit	A1	8	MWF	201	Timmis
	B1	9	MWF	201	Kenny
*Admission by consent of Division of Humanities.	C1	10	MWF	201	Kenny
	D1	11	MWF	201	Kenny
	E1	12	MWF	201	McGuire
	*F1	1	MWF	201	Kirstein
	*G1	2	MWF	201	Kirstein
	H1	3	MWF	201	Quinlan
	P1	11	M	227	
			TT	219	

Rhet. 101. FRESHMAN RHETORIC AND COMPOSITION:- This course provides elementary training and practice in the comprehension and in the expression of both oral and written English. Prerequisite: A passing grade on the placement examination or a passing grade in Rhet. 100.

Credit	Section	Hours	Days	Room	Instructor
3 hours[1]	A1	8	MWF	202	Atwood
	B1	9	MWF	202	Atwood
[1] Students with 95 or more credit hours receive only 2 hours credit.	B2	9	MWF	203	F. Johnson
	C1	10	MWF	202	Hegie
	D1	11	MWF	202	O'Connell
	D2	11	MWF	203	Merten
	D3	11	MWF	205	Kerwick
	E1	12	MWF	202	I. Miller
	E2	12	MWF	203	Hegie
	E3	12	MWF	220	
	F1	1	MWF	206	Jackman
	F2	1	MWF	203	Hegie
	F3	1	MWF	205	Merten
	G1	2	MWF	202	Hegie
	G2	2	MWF	203	
	G3	2	MWF	205	McGuire
	G4	2	MWF	206	Jackman
	H1	3	MWF	202	
	H2	3	MWF	203	Kerwick
	H3	3	MWF	215	
	H4	3	MWF	214	Brown
	J1	4	MWF	202	Brown
	J2	4	MWF	211	
	J3	4	MWF	212	
	M1	9	M	214	Donohue
			TT	212	

Rhet. 101. FRESHMAN RHETORIC AND COMPOSITION:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
	N1	10	M	215	Willett
			TT	214	
	N2	10	M	227	Niederman
			TT	206	
	P1	11	M	220	Donohue
			TT	202	
	R1	1	M	221	Willett
			TT	214	
	R2	1	M	225	Greenwald
			TT	203	
	S1	2	M	221	Griest
			TT	222	
	T1	3	M	220	Griest
			TT	219	

Rhet. 102. FRESHMAN RHETORIC AND COMPOSITION:- This course provides elementary training and practice in the composition and in the expression of both written and oral English. Prerequisite: Rhet. 101.

Credit	Section	Hours	Days	Room	Instructor
3 hours[1]	A1	8	MWF	203	I. Miller
	B1	9	MWF	206	Van Keuren
[1]Students with 95 or more credit hours receive only 2 hours credit.	B2	9	MWF	212	I. Miller
	B3	9	MWF	205	Rudin
	B4	9	MWF	209	Timmis
	C1	10	MWF	216	I. Miller
	C2	10	MWF	212	Love
	C3	10	MWF	205	Timmis
	C4	10	MWF	214	Atwood
	D1	11	MWF	206	Quinlan
	D2	11	MWF	209	Kirstein
	D3	11	MWF	211	Love
	E1	12	MWF	206	Timmis
	E2	12	MWF	209	Atwood
	E3	12	MWF	211	
	E4	12	MWF	212	
	F1	1	MWF	209	Cassell
	F2	1	MWF	211	Love
	F3	1	MWF	219	Quinlan
	F4	1	MWF	224	O'Connell
	F5	1	MWF	202	
	G1	2	MWF	209	Kerwick
	G2	2	MWF	211	
	G3	2	MWF	212	Quinlan
	G4	2	MWF	214	Wright
	G5	2	MWF	215	O'Connell
	H1	3	MWF	205	Cassell
	H2	3	MWF	206	Kirstein
	H3	3	MWF	209	

Rhet. 102. FRESHMAN RHETORIC AND COMPOSITION:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
	H4	3	MWF	211	McGuire
	H5	3	MWF	212	O'Connell
	J1	4	MWF	201	Cassell
	J2	4	MWF	203	Richey
	J3	4	MWF	205	
	J4	4	MWF	206	McGuire
	L1	8	MTT	205	Stronks
	M1	9	M	220	Vest
			TT	219	
	M2	9	M	221	Stronks
			TT	209	
	M3	9	M	222	
			TT	206	
	N1	10	M	221	Waller
			TT	212	
	N2	10	M	222	
			TT	209	
	N3	10	M	223	Lease
			TT	205	
	N4	10	M	228	Greenwald
			TT	203	
	P1	11	M	215	Richey
			TT	212	
	P2	11	M	216	Waller
			TT	211	
	P3	11	M	223	Niederman
			TT	209	
	P4	11	M	226	Greenwald
			TT	203	
	R1	1	M	222	Richey
			TT	212	
	S1	2	M	223	Hipple
			TT	226	
	T1	3	MTT	222	Hipple
	U1	4	MTT	209	Hipple

Rhet. 144. NARRATIVE WRITING:- Elements of narrative writing. Not a course in short story writing. Individual conferences to be arranged. Prerequisite: Rhet. 101 and 102; sophomore standing.

3 hours	C1	10	MWF	203	Rudin

Rhet. 151. BUSINESS LETTER WRITING:- Prerequisite: Rhet 102.

3 hours	E1	12	MWF	214	Brown
	G1	2	MWF	222	
	M1	9	M	224	Oleksy
			TT	201	
	N1	10	M	224	Oleksy
			TT	201	

Rhet. 151. BUSINESS LETTER WRITING:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
	Pl	11	M	224	Oleksy
			TT	201	
	Rl	1	M	226	Oleksy
			TT	201	

SOCIAL SCIENCE

Soc. Sci. 111. THE INDIVIDUAL IN SOCIETY:- A general education course designed to equip the beginning student with an understanding of the nature and the role of the individual as a member of the several groupings of his social community. Credit is not given for this course to a student with credit, or concurrent registration, in a course in anthropology, psychology, or sociology.

4 hours[1]	Lec. Sl	2	TT	218	McCall, Corcoran
	Quiz Bl	9	MW	94	Corcoran
[1]Students with 95 or	Quiz Gl	2	MW	28	Corcoran
more credit hours	Quiz Nl	10	TT	16	McCall
receive only 3 hours	Quiz Pl	11	TT	96	Corcoran
credit.	Quiz Rl	1	TT	22	Corcoran

Soc. Sci. 112. BASES OF CONTEMPORARY AMERICAN LIFE:- A general education course designed to equip the beginning student with basic understanding of the physical, economic, political, social, and intellectual developments of the United States and to equip him for intelligent active participation in local and national affairs. Credit is not given for this course to a student with credit, or concurrent registration in Pol. Sci. 150 or 151, or History 151 or 152.

4 hours[1]	Lec. El	12	M	218	Bill
	Quiz Cl	10	MWF	97	Bill
[1]Students with 95 or	Quiz Rl	1	MTT	82	Riddle
more credit hours					
receive only 3 hours credit.					

Soc. Sci. 113. WORLD PATTERNS AND WORLD PROBLEMS:- A general education course designed to bring the student to an understanding of the geographic, economic, and political bases of the present world situation. Credit is not given for this course to a student with credit in Geography 103.

4 hours[1]	Lec. Bl	9	M	218	Colby
	Quiz Cl	10	MWF	14	Colby
[1]Students with 95 or	Quiz Fl	1	MWF	14	Colby
more credit hours	Quiz Ml	9	TTF	14	Colby
receive only 3 hours credit.					

Soc. Sci. 114. THE UNITY OF KNOWLEDGE:- A general education course designed to acquaint the student with the development of philosophical and scientific disciplines in intellectual history and to direct his further education by his awareness of the integrative factors in current education and culture. Prerequisite: Sophomore standing and a 3.5 grade point average.

Credit	Section	Hours	Days	Room	Instructor
4 hours	D1	11	TWTF	82	Page

Soc. Sci. 116. FAMILY LIVING:- The development of the family from early to modern times. The factors involved in the establishment and maintenance of a family. Opportunities for individual counseling. Prerequisite: Sophomore standing or consent of instructor.

4 hours	Lec. N1	10	TT	65	Klassen and others
	Quiz D1	11	WF	18	Lipman
	Quiz T1	3	TT	28	Klassen

SOCIOLOGY

Sociol. 100. PRINCIPLES OF SOCIOLOGY:- A course designed to give the student an understanding of the basic principles employed in the scientific study of human society with application to contemporary social problems. Prerequisite: Sophomore standing.

3 hours	Lec. G1	2	W	218	Klassen
	Quiz C1	10	WF	82	McCall
	Quiz D1	11	WF	21	Klassen
	Quiz P1	11	TT	14	Klassen
	Quiz R1	1	TT	13	McCall
	Quiz S1	2	TT	13	Klassen

Sociol. 130. SOCIETY AND INDIVIDUAL DEVELOPMENT:- Importance of social factors in individual development. Nature of persons and relations to institutions, social order, and development. Prerequisite: Sociol. 100.

3 hours	N1	10	MTT	96	Corcoran

Sociol. 140. SOCIAL CONTROL:- A course designed to give the student an appreciation and understanding of the socio-psychic processes by which individuals are taught, persuaded, compelled to conform to the usages and life-values of social groups. The subject of social control encompasses the whole field of sociological thought. Prerequisite: Sociol. 100.

2 hours	C1	10	WF	18	Klassen

ANTHROPOLOGY

Anthrop. 107. INTRODUCTION TO ANTHROPOLOGY:- An introduction to general anthropology covering human origins and early men; race and racism; archaeology and the beginnings of human civilization, linguistics, and the nature of culture with examples from primitive societies. Prerequisite: Sophomore standing.

Credit	Section	Hours	Days	Room	Instructor
3 hours	D1	11	MWF	96	McCall
	E1	1	MWF	28	McCall

SPANISH

Spanish 101. ELEMENTARY SPANISH:- For students who have no credit in Spanish. No credit toward graduation is given for Spanish 101 without 102.

4 hours[1]	B1	9	TWTF	227	Marsh
	C1	10	TWTF	215	Tort
	F1	1	TWTF	227	Pinsky
	H1	3	TWTF	227	Pinsky

[1]Students with 95 or more credit hours receive only 3 hours credit.

Spanish 102. ELEMENTARY SPANISH:- Continuation of Spanish 101. Prerequisite: Spanish 101, or one year of high school Spanish.

4 hours[1]	A1	8	TWTF	227	Marsh
	C1	10	TWTF	227	Marsh
	D1	11	TWTF	216	Pinsky

[1]Students with 95 or more credit hours receive only 3 hours credit.

Spanish 103. INTERMEDIATE SPANISH:- Prerequisite: Spanish 102, or two years of high school Spanish.

4 hours	C1	10	TWTF	225	Sanchez
	F1	1	TWTF	225	Marsh

Spanish 104. INTERMEDIATE SPANISH:- Continuation of Spanish 103. Prerequisite: Spanish 103, or three years of high school Spanish.

4 hours	B1	9	TWTF	225	Sanchez
	D1	11	TWTF	227	Tort
	G1	2	TWTF	225	Pinsky

Spanish 113. ELEMENTARY COMPOSITION AND CONVERSATION:- Prerequisite: Spanish 102, or two years of high school Spanish. May be taken concurrently with Spanish 103.

Spanish 113. ELEMENTARY COMPOSITION AND CONVERSATION:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
2 hours	P1	11	TT	225	Sanchez

Spanish 202. INTRODUCTION TO SPANISH LITERATURE:- Reading of modern authors of Spain and Spanish America. Prerequisite: Spanish 201 or consent of instructor.

3 hours	D1	11	MWF	225	Sanchez

SPEECH

Group Remedial Speech:- Students with articulatory problems, particularly those with foreign dialect, may register for this course at the Student Counseling Bureau, Room 303, in advance of the dates specified. Prerequisite: Consent of the instructor

No credit	N1	10	TT	216	Koenig
Feb. 17 - April 2	N2	10	TT	216	Koenig
April 9 - May 26					

Speech 101. PRINCIPLES OF EFFECTIVE SPEAKING:- Preparation and presentation of short informative and persuasive speeches, with emphasis on the selection and organization of material, methods of securing interest and attention, and the elements of delivery. Prerequisite: A passing grade in Rhet. 101 placement examination, or a passing grade in Rhet. 100.

3 hours[1]	B1	9	MWF	217	Pitt
	B2	9	MWF	219	Koenig
	C1	10	MWF	217	Pitt
	C2	10	MWF	219	Koenig
	D1	11	MWF	217	Hovde
	E1	12	MWF	217	Hovde
	E2	12	MWF	216	Goulson
	F1	1	MWF	217	Pitt
	G1	2	MWF	219	Hovde
	H1	3	MWF	217	Goulson
	H2	3	MWF	219	Crews
	J1	4	MWF	217	Crews
	R1	1	MTT	216	Crews
	S1	2	MTT	216	Thompson
	T1	3	MTT	216	Thompson

[1]Students with 95 or more credit hours receive only 2 hours credit.

Speech 105. VOICE AND ARTICULATION:- A drill course for improving the use of the normal speaking voice.

2 hours[1]	D1	11	MWF	219	Bloom

[1]Students with 95 or more credit hours receive only 1 hour credit.

Speech 107. PARLIAMENTARY PROCEDURE:- Principles and practice of parliamentary procedure.

Credit	Section	Hours	Days	Room	Instructor
2 hours[1]	R1	1	TT	219	Thompson

[1]Students with 95 or more credit hours receive only 1 hour credit.

Speech 111. BUSINESS AND PROFESSIONAL SPEAKING:- Study, preparation, and presentation of the chief types of business speeches, with special attention to conferences, sales talks, interviews, job applications. Prerequisite: Speech 101; sophomore standing.

2 hours	M1	9	TT	217	Hovde
	N1	10	TT	217	Hovde

Speech 117. ARGUMENTATION:- Methods of logical analysis; the kinds and forms of argument; the adaptation of argumentative materials to audience situations; and the forms of debate. Practice debates on current subjects. Prerequisite: Speech 101; sophomore standing.

3 hours	E1	12	MWF	219	Pitt

Speech 141. ORAL INTERPRETATION OF LITERATURE:- Principles of interpretation, analysis, and oral reading of prose literature and verse.

2 hours[1]	P1	11	TT	217	Koenig
	S1	2	TT	217	Crews
[1]Students with 95 or more credit hours receive only 1 hour credit.	T1	3	TT	217	Crews

Speech 161. FUNDAMENTALS OF ACTING:- A study of the methods of acting with emphasis given to basic stage techniques. The role of the character in relation to the play as a whole; the intellectual and emotional values of the play and their interpretation by means of voice and action. Prerequisite: Speech 141.

3 hours	G1	2	MWF	217	Goulson

STUDENT COUNSELING BUREAU

STUDY AND READING SKILLS:- This program supplements individual counseling and aims at helping the student to: (a) increase speed and comprehension in reading college textbook material, (b) develop effective methods of study, and (c) make an optimum adjustment to all types of problems in college. The program lasts 7 weeks.

No credit Beginning the week of February 9, 1953

STUDY AND READING SKILLS:- (Concluded).

Credit	Section	Hours	Days	Room	Instructor
	A	10	MW	300	
	B	10	TT	300	
	C	11	MW	300	
	D	11	TT	300	
	E	12	MW	300	
	F	1	MW	300	
	G	1	TT	300	
	H	2	MW	300	
	I	2	TT	300	
	J	3	TT	300	

Beginning the week of March 30, 1953
Same as above.

READING SKILLS:- The aim of this program is to improve the reading skills of speed and comprehension through extensive use of reading exercises and films. The program lasts 7 weeks.

No credit — Beginning the week of February 9, 1953

A	11	TT	300
B	12	MW	300
C	1	TT	300

Beginning the week of March 30, 1953
Same as above.

THEORETICAL AND APPLIED MECHANICS

T.A.M. 150. ANALYTICAL MECHANICS (STATICS):- Prerequisite: Registration in Math. 142.

2 hours	P1	11	TT	113	Mucha
	S1	2	TT	113	Mucha

T.A.M. 154. ANALYTICAL MECHANICS (STATICS AND DYNAMICS):- Prerequisite: Registration in Math. 142. For electrical engineering students only.

4 hours	C1	10	TWTF	123	Cobb
	F1	1	TWTF	113	Hershey

T.A.M. 156. ANALYTICAL MECHANICS (STATICS AND DYNAMICS):- Prerequisite: Registration in Math. 142.

5 hours	B1	9	MTWTF	113	Cobb
	H1	3	MTWTF	113	Cobb

T.A.M. 171. ELEMENTS OF MECHANICS (STATICS):- Prerequisite: Math. 127. For architectural students only.

Credit	Section	Hours	Days	Room	Instructor
3 hours	A1	8	MWF	113	Mucha
	E1	12	MWF	113	Mucha

T.A.M. 172. STRENGTH OF MATERIALS:- Prerequisite: T.A.M. 171. For architectural students only.

3 hours	J1	4	MWF	113	Cobb

T.A.M. 211. ANALYTICAL MECHANICS (DYNAMICS):- Prerequisite: T.A.M. 150.

3 hours	G1	2	MWF	113	Mucha

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TRIAL STUDY-LIST — TO BE KEPT BY THE STUDENT

Name in full..... Date.....
[Print] [Surname first; then given names]

College.....

Curriculum.....

Sem. Hrs. Earned (Copy from Coupon 3).....

Subject (i. e., Department)	Course No.	Credit Hours	Sec.	Grade	M	T	W	T	F	S	Memoranda